

Propagation Time after Initial Time Walk Correction

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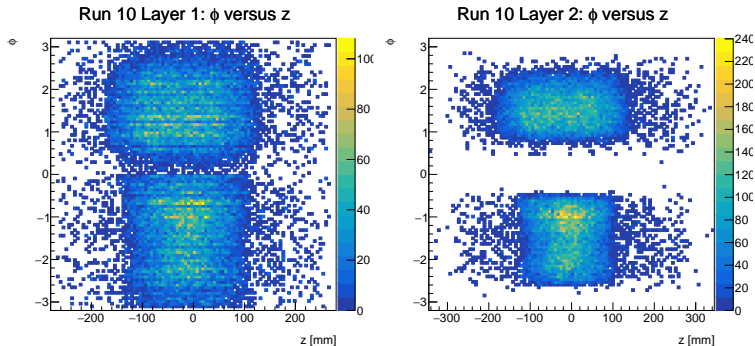
June 11, 2020

Intro

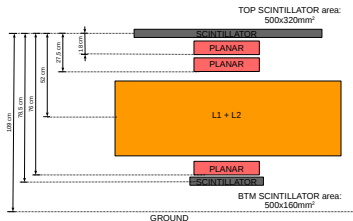
- ▶ CgemLineFit loops over clusters with most charge in the event
- ▶ Use 5 clusters with largest charge in each layer
- ▶ $\sigma = 0.13$

| Run | Events Fit | Total Events | Percent |
|-------|------------|--------------|---------|
| 10 | 19264 | 136582 | 14.1% |
| 11 | 13625 | 127358 | 10.70% |
| 12 | 5131 | 23709 | 21.64% |
| 13 | 3315 | 70002 | 4.74% |
| 14 | 3640 | 86400 | 4.21% |
| 15 | 1168 | 5026 | 23.24% |
| 16 | 5193 | 22411 | 23.17% |
| 17 | 118033 | 234153 | 50.41% |
| Total | 169369 | 705641 | 24.0% |

Example of ϕ versus z

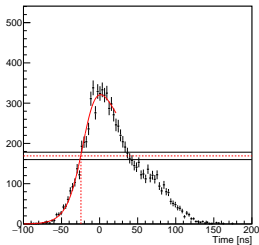


2019/12/21

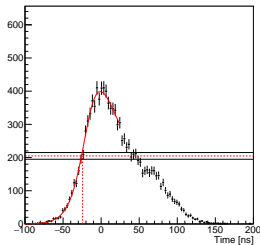


Layer 1 FEB 2 Propagation Study

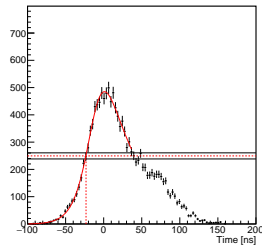
Readout 2 Time, 125<d<175 mm



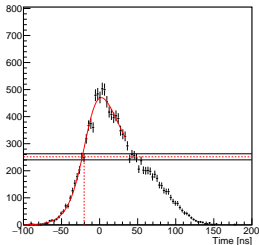
Readout 2 Time, 175<d<225 mm



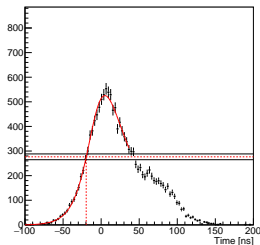
Readout 2 Time, 225<d<275 mm



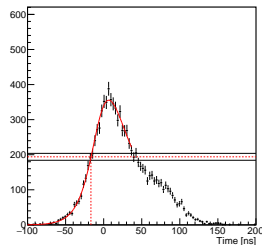
Readout 2 Time, 275<d<325 mm



Readout 2 Time, 325<d<375 mm

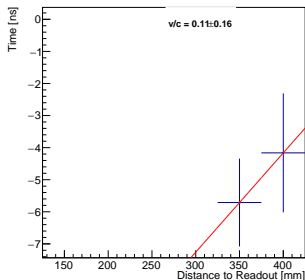


Readout 2 Time, 375<d<425 mm

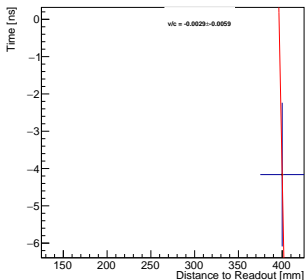


Layer 1 FEB 2 Results

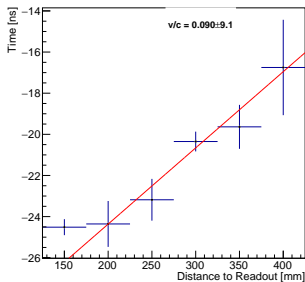
Fit Time versus Distance to Readout 2



Fit Time at Half Max versus Distance to Readout 2

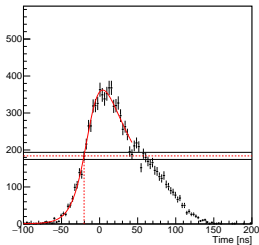


Interpolated Time versus Distance to Readout 2

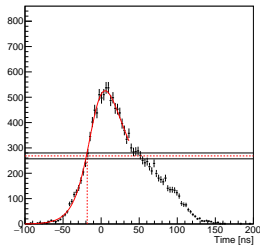


Layer 1 FEB 6 Propagation Study

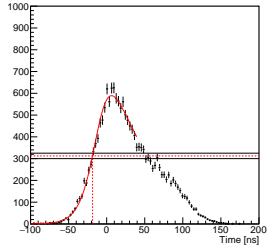
Readout 6 Time, 125<d<175 mm



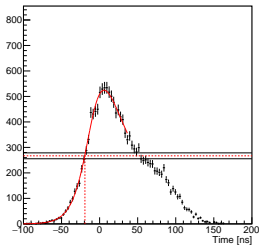
Readout 6 Time, 175<d<225 mm



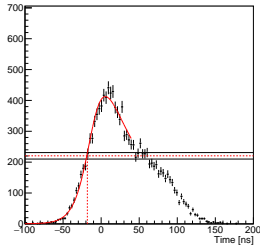
Readout 6 Time, 225<d<275 mm



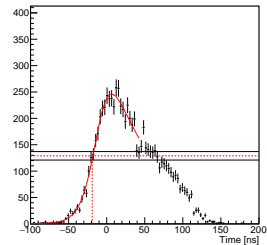
Readout 6 Time, 275<d<325 mm



Readout 6 Time, 325<d<375 mm

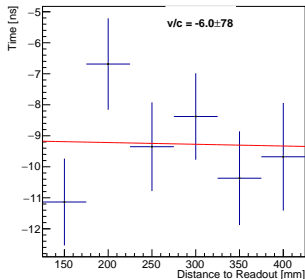


Readout 6 Time, 375<d<425 mm

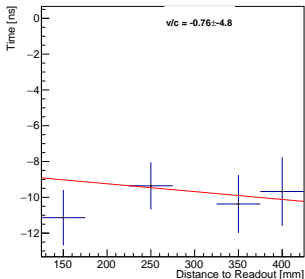


Layer 1 FEB 6 Results

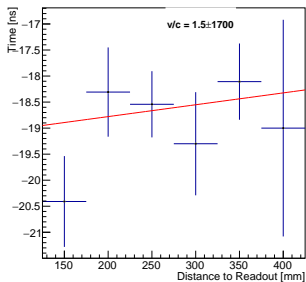
Fit Time versus Distance to Readout 6



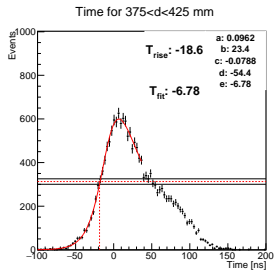
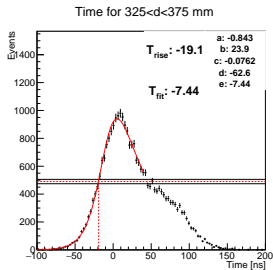
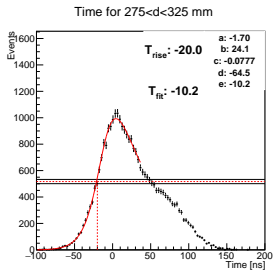
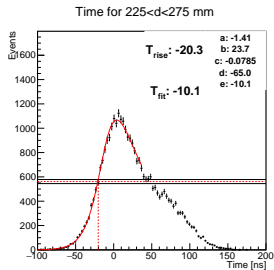
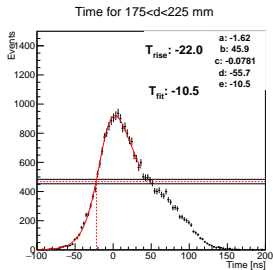
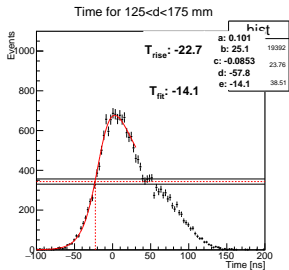
Fit Time at Half Max versus Distance to Readout 6



Interpolated Time versus Distance to Readout 6

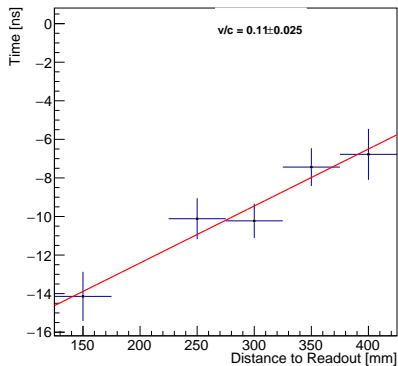


Layer 1: Combining FEB 2 and 6

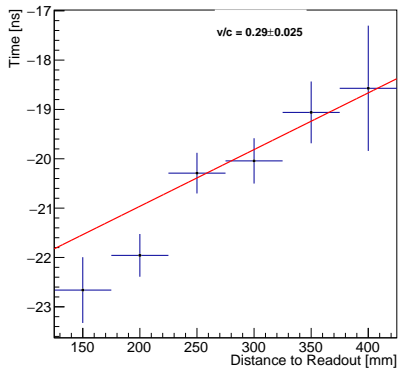


Layer 1: Combining FEB 2 and 6

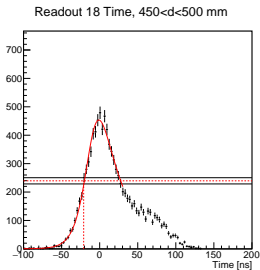
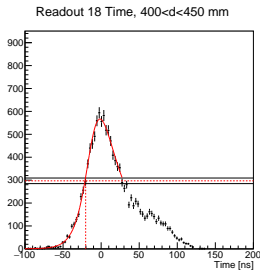
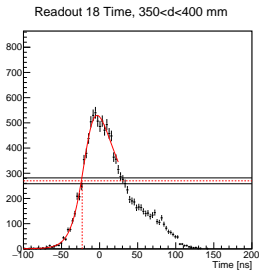
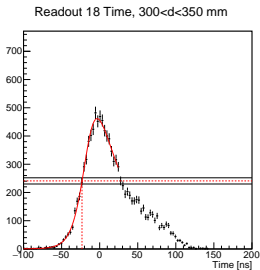
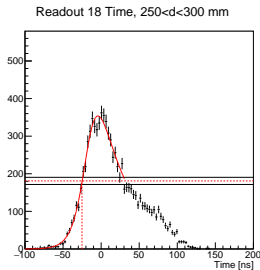
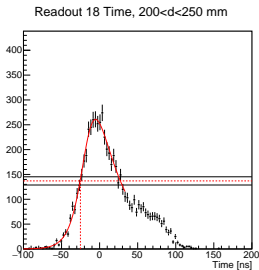
Fit Time versus Distance to Readout Layer 1



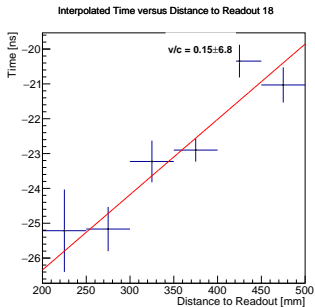
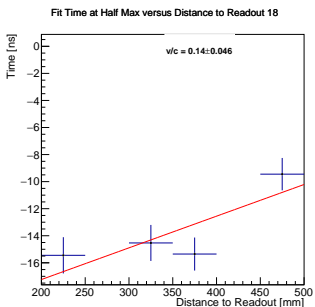
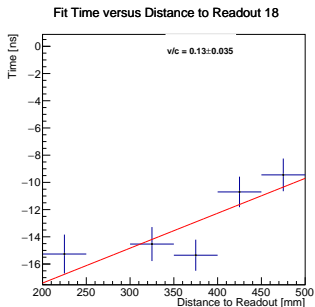
Interpolated Time versus Distance to Readout Layer 1



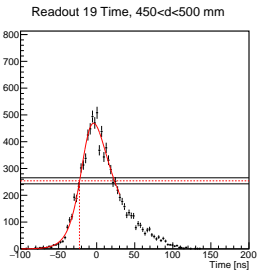
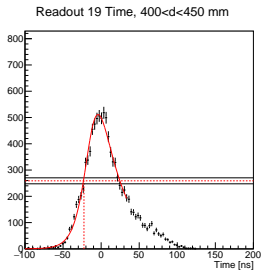
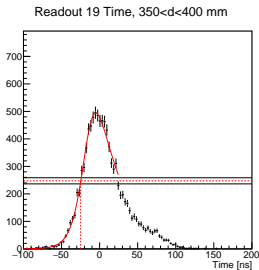
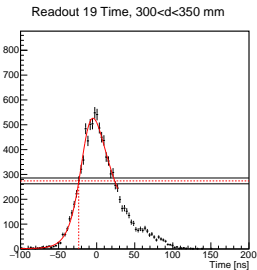
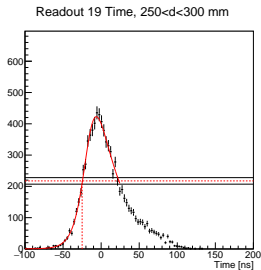
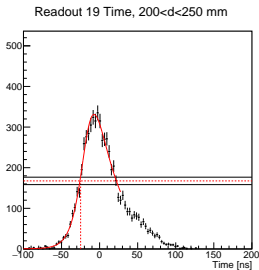
Fit results for x strips: FEB 18 (Layer 2)



Fit results for x strips: FEB 18 (layer 2)

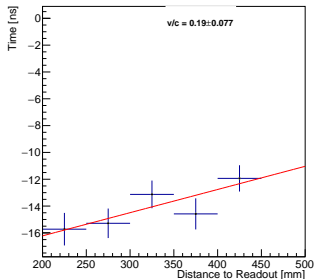


Fit results for x strips: FEB 19 (Layer 2)

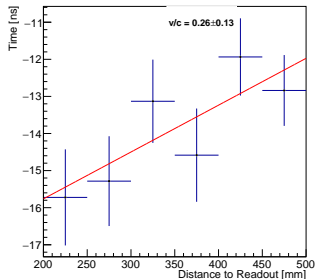


Fit results for x strips: FEB 19 (layer 2)

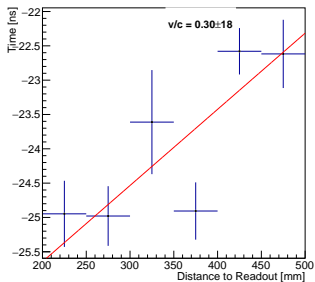
Fit Time versus Distance to Readout 19



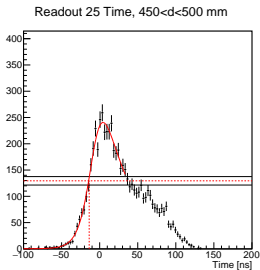
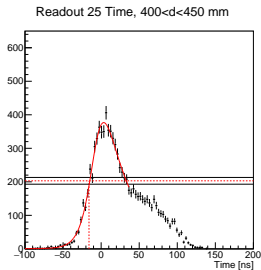
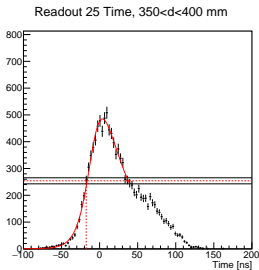
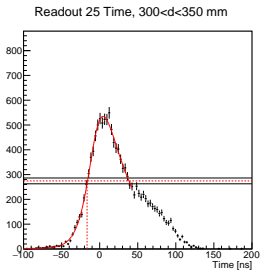
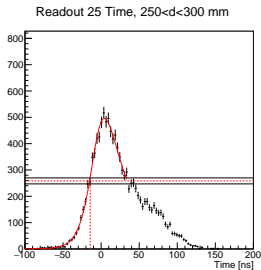
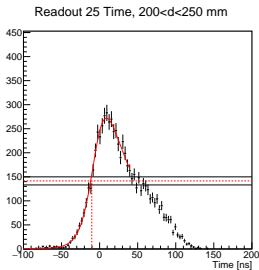
Fit Time at Half Max versus Distance to Readout 19



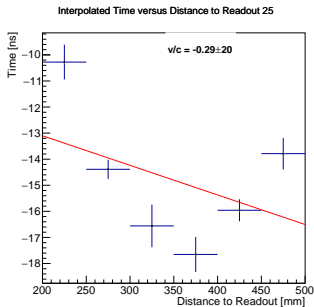
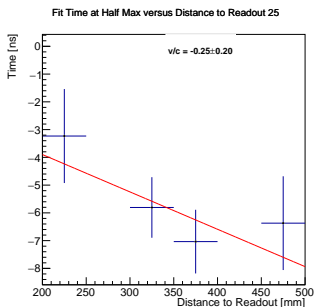
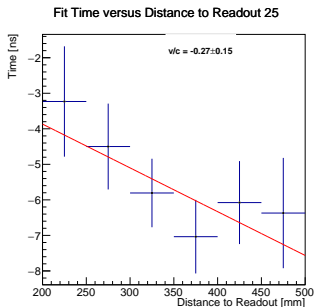
Interpolated Time versus Distance to Readout 19



Fit results for x strips: FEB 25 (Layer 2)

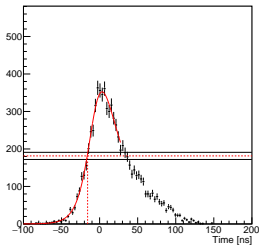


Fit results for x strips: FEB 25 (layer 2)

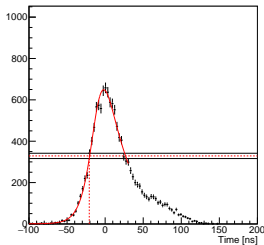


Fit results for x strips: FEB 26 (Layer 2)

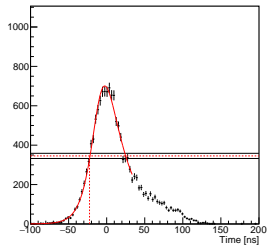
Readout 26 Time, 200<d<250 mm



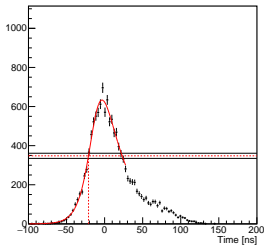
Readout 26 Time, 250<d<300 mm



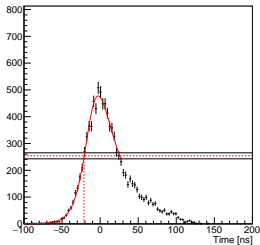
Readout 26 Time, 300<d<350 mm



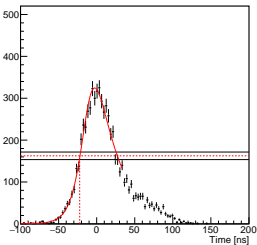
Readout 26 Time, 350<d<400 mm



Readout 26 Time, 400<d<450 mm

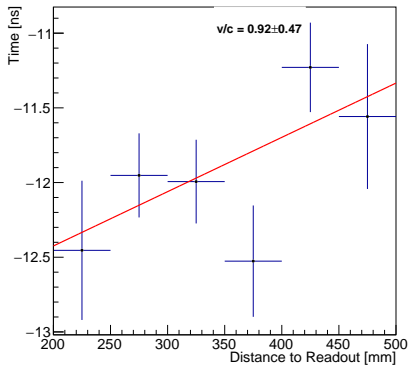


Readout 26 Time, 450<d<500 mm

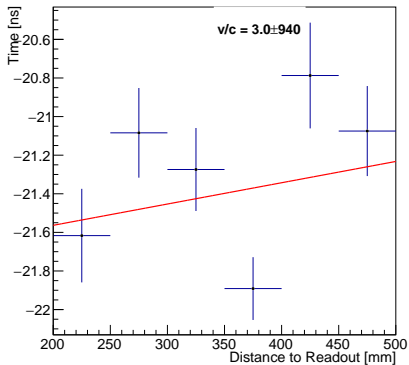


Fits for FEBs 17-20, 25-27, 32-34, and 39-41 combined

Fit Time versus Distance to Readout Layer 2



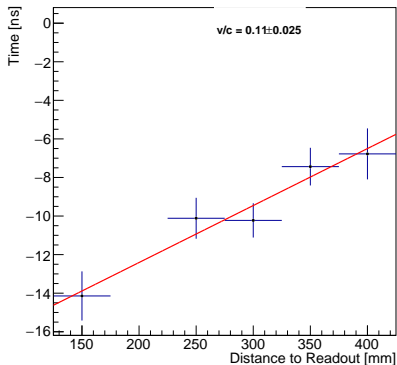
Interpolated Time versus Distance to Readout Layer 2



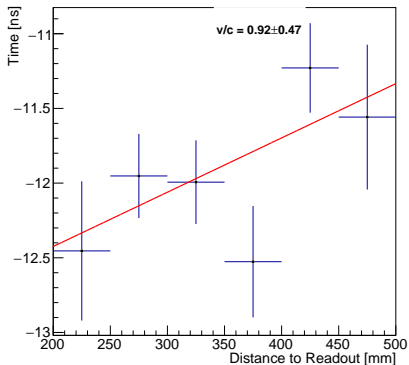
Summary

- ▶ ϕ versus z distributions are quite clean
- ▶ Combining FEBs gives better statistics, but is more sensitive to time walk due to different thresholds

Fit Time versus Distance to Readout Layer 1



Fit Time versus Distance to Readout Layer 2

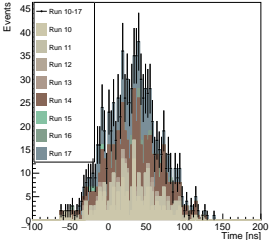


Time Distributions for each FEB

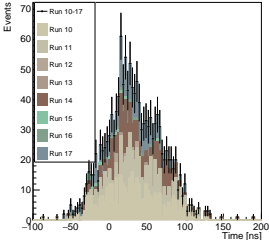
- ▶ FEBs above have good signal shapes
- ▶ Many FEBs have no data
- ▶ Other FEBs have broad time distributions

Readout 0 - Broad Time Distributions Persist

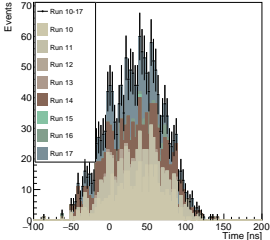
Run 10-17 for FEB 0: 125<z<175 mm



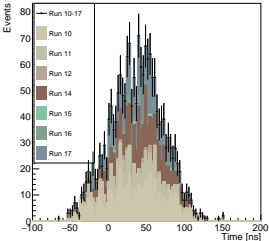
Run 10-17 for FEB 0: 175<z<225 mm



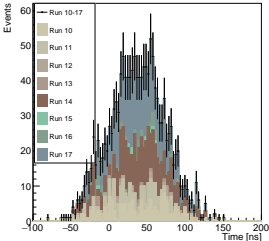
Run 10-17 for FEB 0: 225<z<275 mm



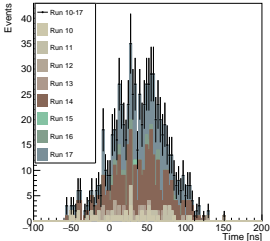
Run 10-17 for FEB 0: 275<z<325 mm



Run 10-17 for FEB 0: 325<z<375 mm

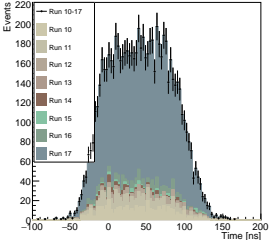


Run 10-17 for FEB 0: 375<z<425 mm

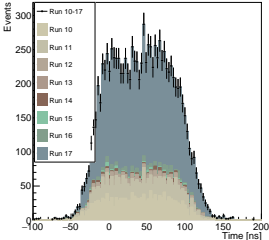


Readout 1

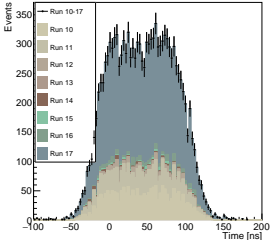
Run 10-17 for FEB 1: 125<z<175 mm



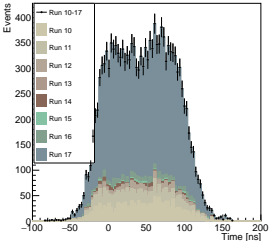
Run 10-17 for FEB 1: 175<z<225 mm



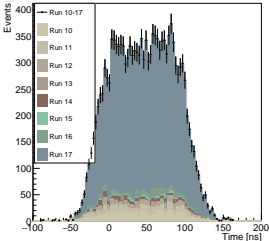
Run 10-17 for FEB 1: 225<z<275 mm



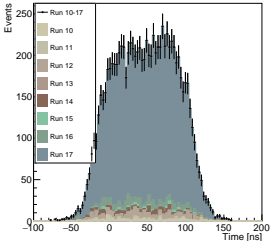
Run 10-17 for FEB 1: 275<z<325 mm



Run 10-17 for FEB 1: 325<z<375 mm

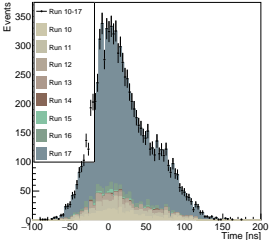


Run 10-17 for FEB 1: 375<z<425 mm

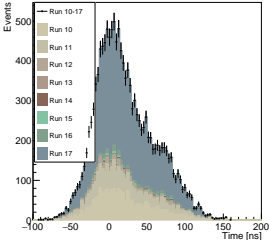


Readout 2

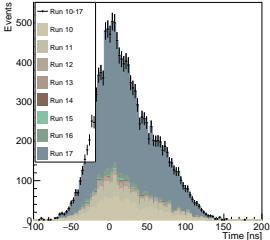
Run 10-17 for FEB 2: 125<z<175 mm



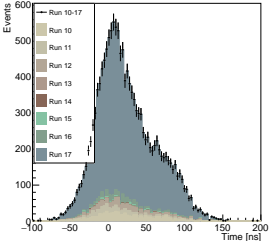
Run 10-17 for FEB 2: 225<z<275 mm



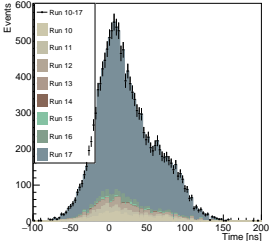
Run 10-17 for FEB 2: 275<z<325 mm



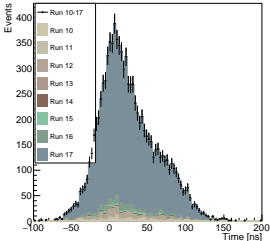
Run 10-17 for FEB 2: 325<z<375 mm



Run 10-17 for FEB 2: 325<z<375 mm

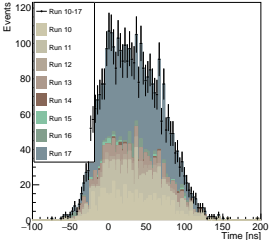


Run 10-17 for FEB 2: 375<z<425 mm

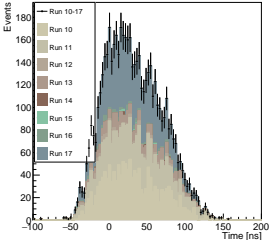


Readout 3

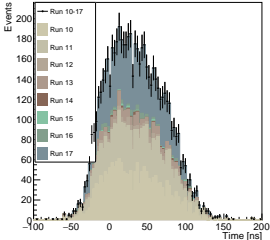
Run 10-17 for FEB 3: 125<z<175 mm



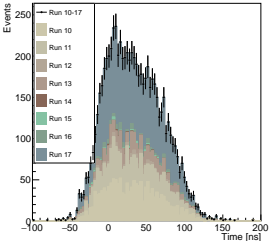
Run 10-17 for FEB 3: 175<z<225 mm



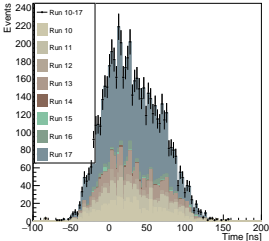
Run 10-17 for FEB 3: 225<z<275 mm



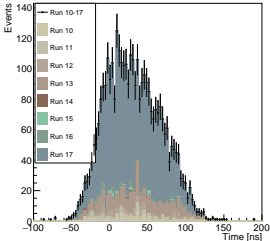
Run 10-17 for FEB 3: 275<z<325 mm



Run 10-17 for FEB 3: 325<z<375 mm

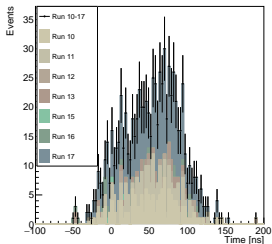


Run 10-17 for FEB 3: 375<z<425 mm

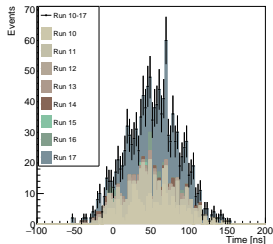


Readout 4

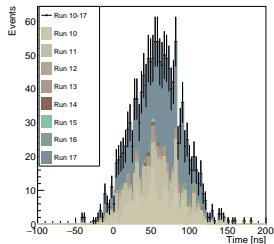
Run 10-17 for FEB 4: $125 < z < 175$ mm



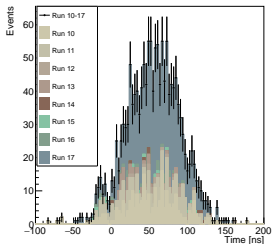
Run 10-17 for FEB 4: $175 < z < 225$ mm



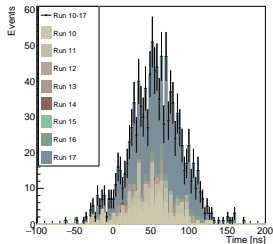
Run 10-17 for FEB 4: $225 < z < 275$ mm



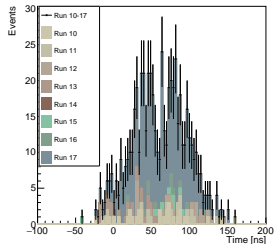
Run 10-17 for FEB 4: $275 < z < 325$ mm



Run 10-17 for FEB 4: $325 < z < 375$ mm

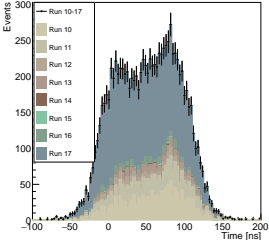


Run 10-17 for FEB 4: $375 < z < 425$ mm

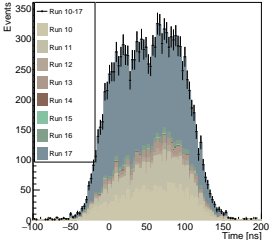


Readout 5

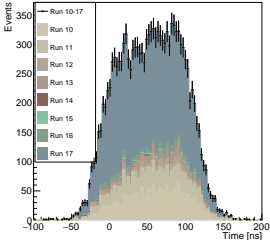
Run 10-17 for FEB 5: 125<z<175 mm



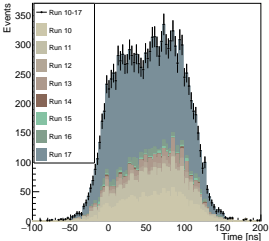
Run 10-17 for FEB 5: 175<z<225 mm



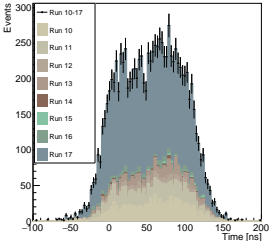
Run 10-17 for FEB 5: 225<z<275 mm



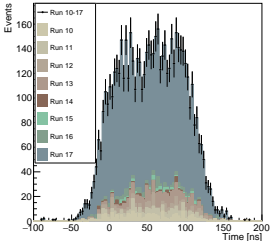
Run 10-17 for FEB 5: 275<z<325 mm



Run 10-17 for FEB 5: 325<z<375 mm

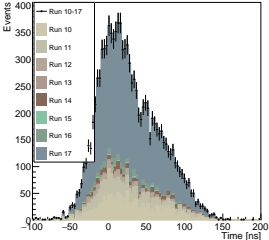


Run 10-17 for FEB 5: 375<z<425 mm

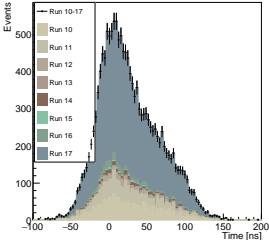


Readout 6

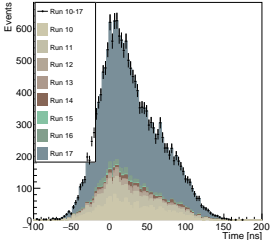
Run 10-17 for FEB 6: 125<z<175 mm



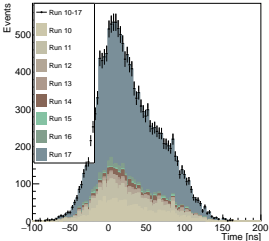
Run 10-17 for FEB 6: 175<z<225 mm



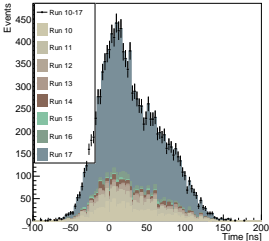
Run 10-17 for FEB 6: 225<z<275 mm



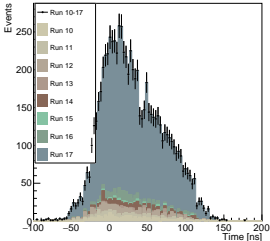
Run 10-17 for FEB 6: 275<z<325 mm



Run 10-17 for FEB 6: 325<z<375 mm

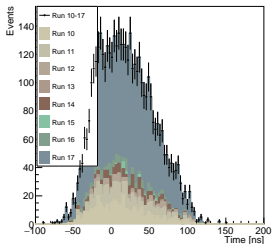


Run 10-17 for FEB 6: 375<z<425 mm

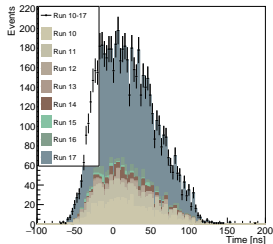


Readout 7

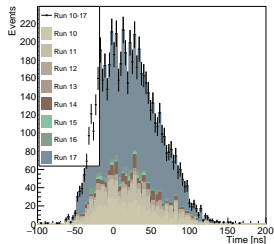
Run 10-17 for FEB 7: $125 < z < 175$ mm



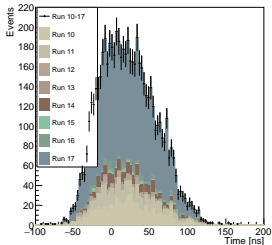
Run 10-17 for FEB 7: $175 < z < 225$ mm



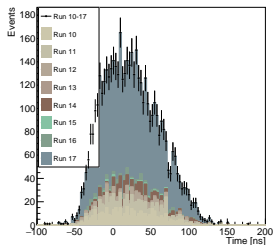
Run 10-17 for FEB 7: $225 < z < 275$ mm



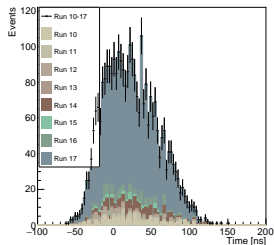
Run 10-17 for FEB 7: $275 < z < 325$ mm



Run 10-17 for FEB 7: $325 < z < 375$ mm

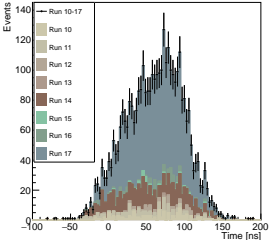


Run 10-17 for FEB 7: $375 < z < 425$ mm

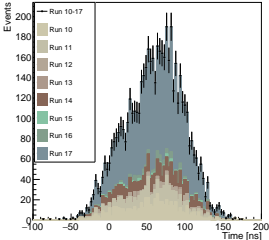


Readout 8

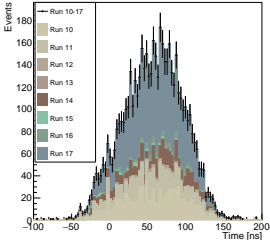
Run 10-17 for FEB 8: 125<z<175 mm



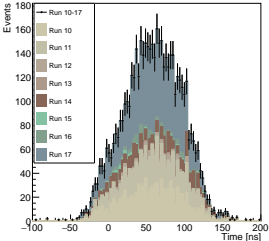
Run 10-17 for FEB 8: 175<z<225 mm



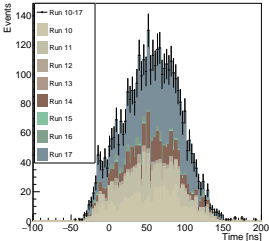
Run 10-17 for FEB 8: 225<z<275 mm



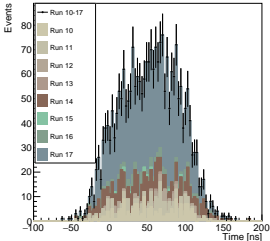
Run 10-17 for FEB 8: 275<z<325 mm



Run 10-17 for FEB 8: 325<z<375 mm

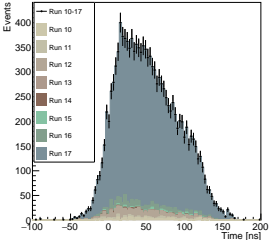


Run 10-17 for FEB 8: 375<z<425 mm

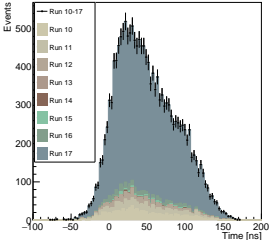


Readout 9

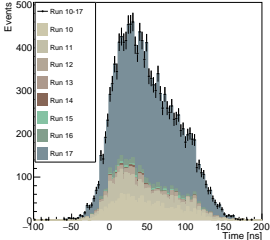
Run 10-17 for FEB 9: 125<z<175 mm



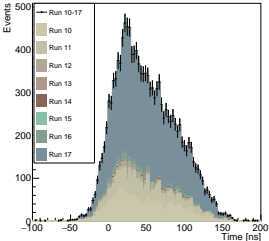
Run 10-17 for FEB 9: 175<z<225 mm



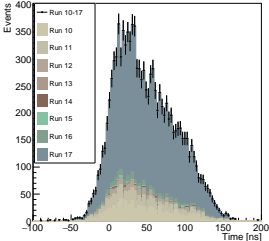
Run 10-17 for FEB 9: 225<z<275 mm



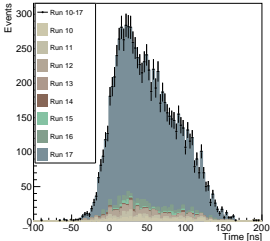
Run 10-17 for FEB 9: 275<z<325 mm



Run 10-17 for FEB 9: 325<z<375 mm

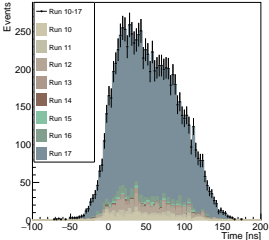


Run 10-17 for FEB 9: 375<z<425 mm

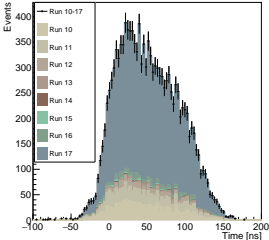


Readout 10

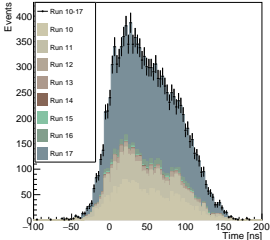
Run 10-17 for FEB 10: 125<z<175 mm



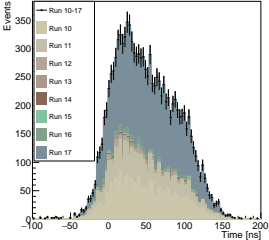
Run 10-17 for FEB 10: 175<z<225 mm



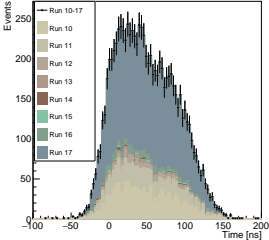
Run 10-17 for FEB 10: 225<z<275 mm



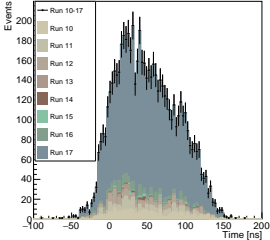
Run 10-17 for FEB 10: 275<z<325 mm



Run 10-17 for FEB 10: 325<z<375 mm

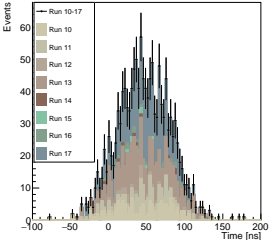


Run 10-17 for FEB 10: 375<z<425 mm

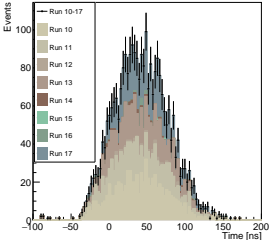


Readout 11

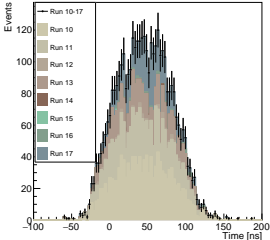
Run 10-17 for FEB 11: 125<z<175 mm



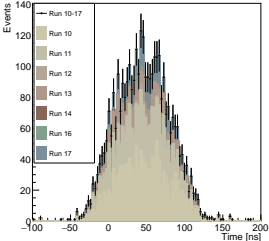
Run 10-17 for FEB 11: 175<z<225 mm



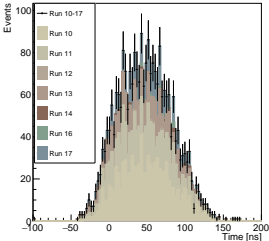
Run 10-17 for FEB 11: 225<z<275 mm



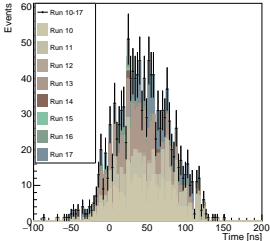
Run 10-17 for FEB 11: 275<z<325 mm



Run 10-17 for FEB 11: 325<z<375 mm

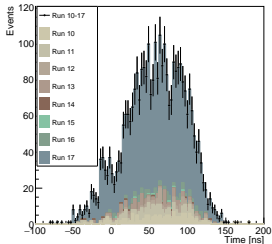


Run 10-17 for FEB 11: 375<z<425 mm

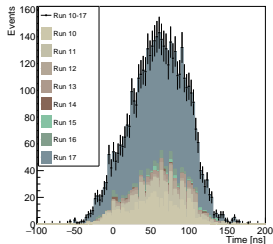


Readout 12

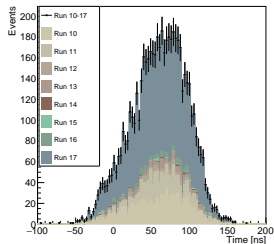
Run 10-17 for FEB 12: $125 < z < 175$ mm



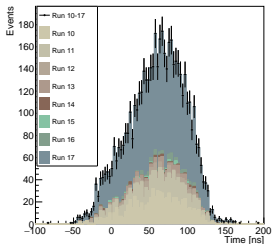
Run 10-17 for FEB 12: $175 < z < 225$ mm



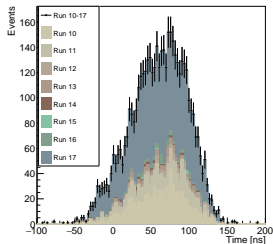
Run 10-17 for FEB 12: $225 < z < 275$ mm



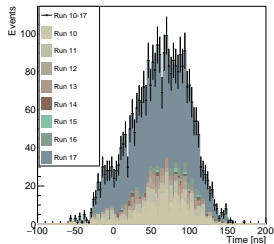
Run 10-17 for FEB 12: $275 < z < 325$ mm



Run 10-17 for FEB 12: $325 < z < 375$ mm

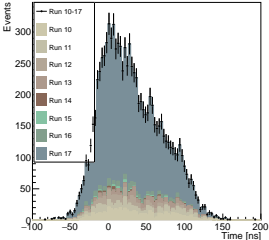


Run 10-17 for FEB 12: $375 < z < 425$ mm

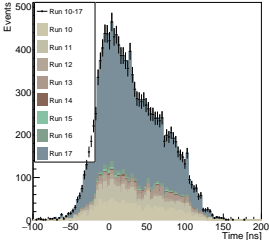


Readout 13

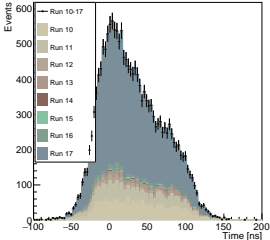
Run 10-17 for FEB 13: 125<z<175 mm



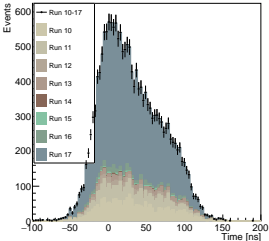
Run 10-17 for FEB 13: 175<z<225 mm



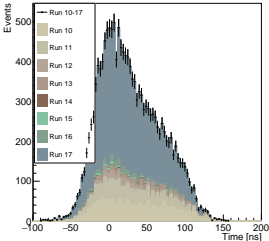
Run 10-17 for FEB 13: 225<z<275 mm



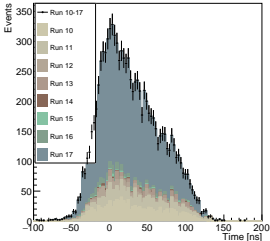
Run 10-17 for FEB 13: 275<z<325 mm



Run 10-17 for FEB 13: 325<z<375 mm

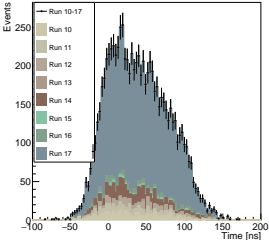


Run 10-17 for FEB 13: 375<z<425 mm

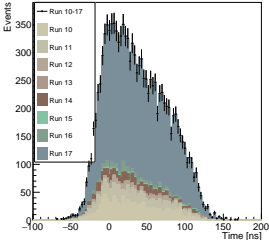


Readout 14

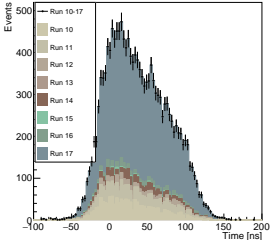
Run 10-17 for FEB 14: 125<z<175 mm



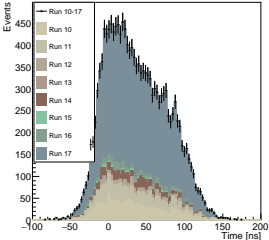
Run 10-17 for FEB 14: 175<z<225 mm



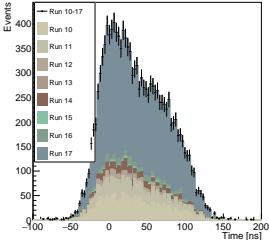
Run 10-17 for FEB 14: 225<z<275 mm



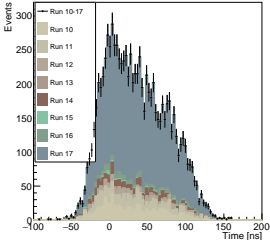
Run 10-17 for FEB 14: 275<z<325 mm



Run 10-17 for FEB 14: 325<z<375 mm

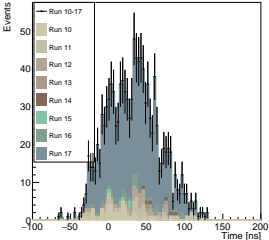


Run 10-17 for FEB 14: 375<z<425 mm

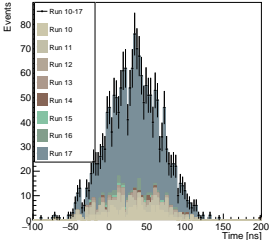


Readout 15

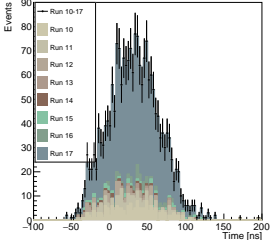
Run 10-17 for FEB 15: 125<z<175 mm



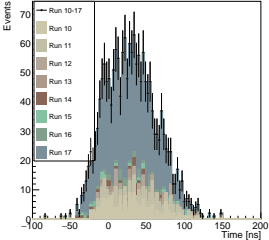
Run 10-17 for FEB 15: 175<z<225 mm



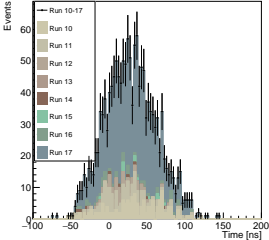
Run 10-17 for FEB 15: 225<z<275 mm



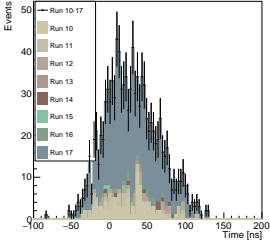
Run 10-17 for FEB 15: 275<z<325 mm



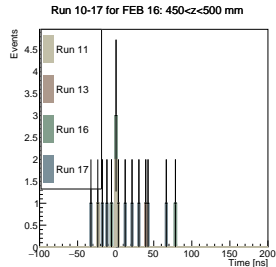
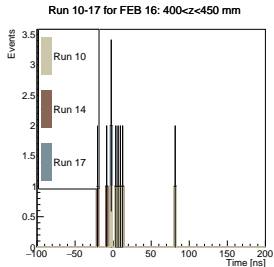
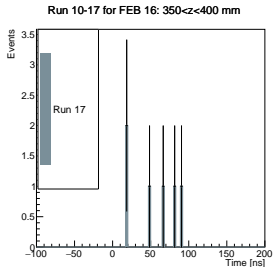
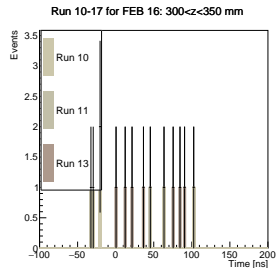
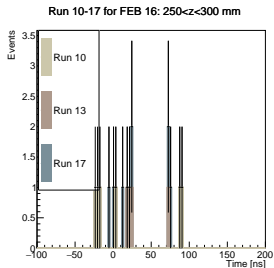
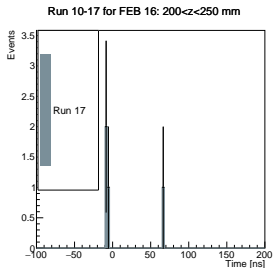
Run 10-17 for FEB 15: 325<z<375 mm



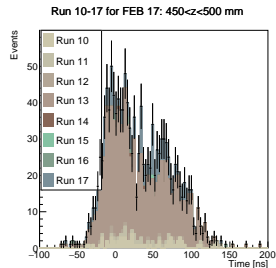
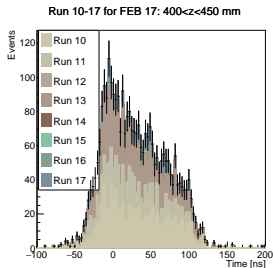
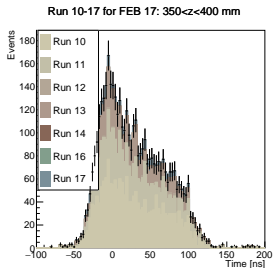
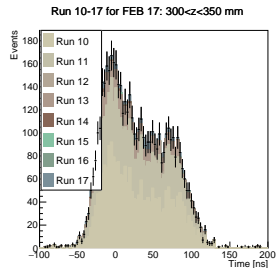
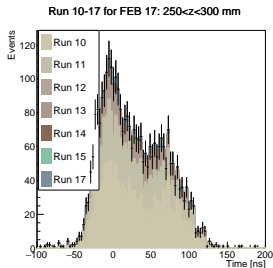
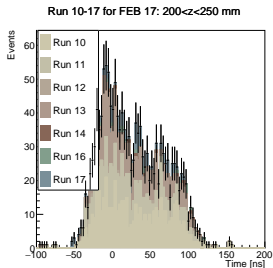
Run 10-17 for FEB 15: 375<z<425 mm



Readout 16

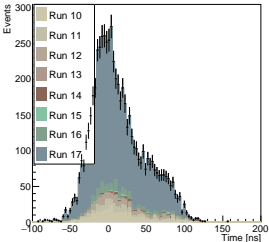


Readout 17

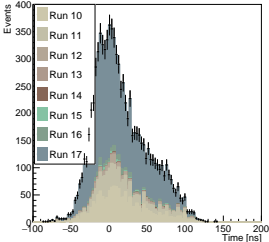


Readout 18

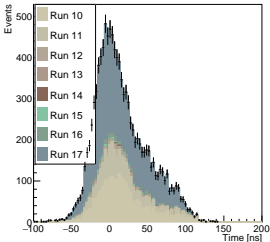
Run 10-17 for FEB 18: 200<z<250 mm



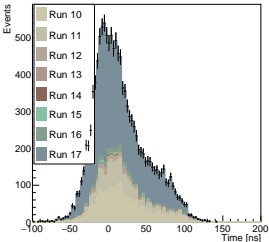
Run 10-17 for FEB 18: 250<z<300 mm



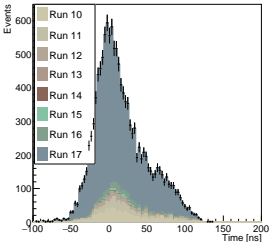
Run 10-17 for FEB 18: 300<z<350 mm



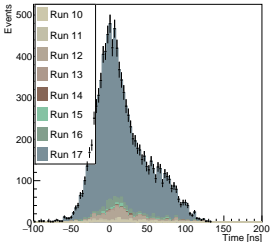
Run 10-17 for FEB 18: 350<z<400 mm



Run 10-17 for FEB 18: 400<z<450 mm

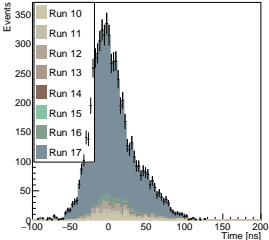


Run 10-17 for FEB 18: 450<z<500 mm

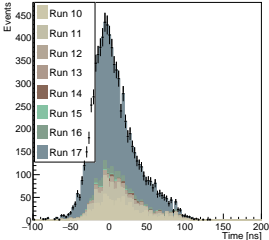


Readout 19

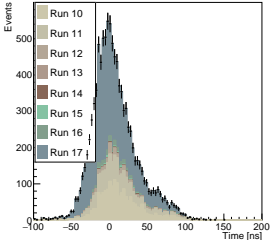
Run 10-17 for FEB 19: 200<z<250 mm



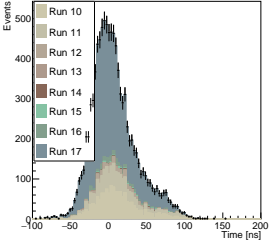
Run 10-17 for FEB 19: 250<z<300 mm



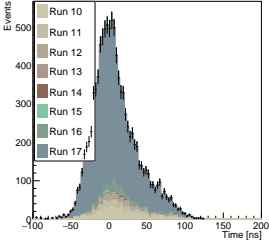
Run 10-17 for FEB 19: 300<z<350 mm



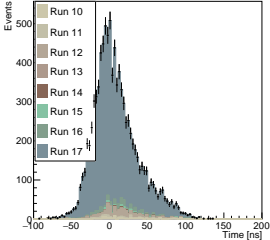
Run 10-17 for FEB 19: 350<z<400 mm



Run 10-17 for FEB 19: 400<z<450 mm

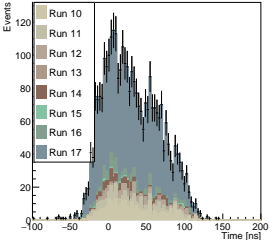


Run 10-17 for FEB 19: 450<z<500 mm

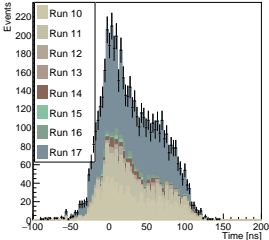


Readout 20

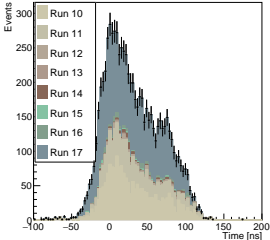
Run 10-17 for FEB 20: 200<z<250 mm



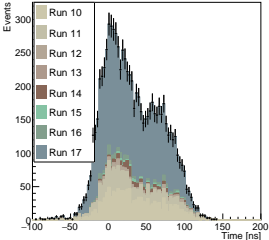
Run 10-17 for FEB 20: 250<z<300 mm



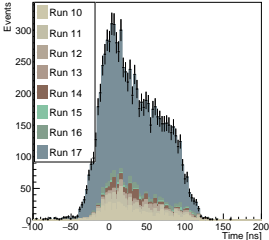
Run 10-17 for FEB 20: 300<z<350 mm



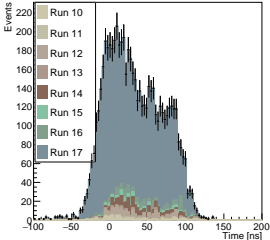
Run 10-17 for FEB 20: 350<z<400 mm



Run 10-17 for FEB 20: 400<z<450 mm

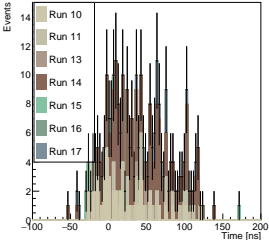


Run 10-17 for FEB 20: 450<z<500 mm

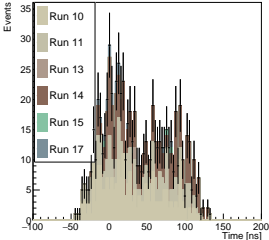


Readout 21

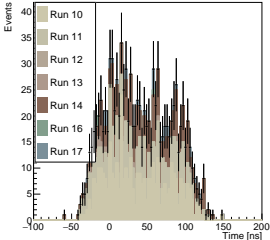
Run 10-17 for FEB 21: 200<z<250 mm



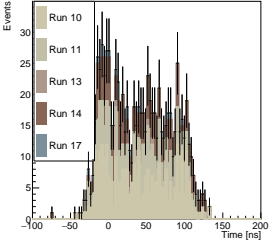
Run 10-17 for FEB 21: 250<z<300 mm



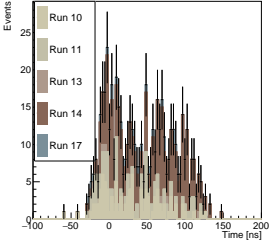
Run 10-17 for FEB 21: 300<z<350 mm



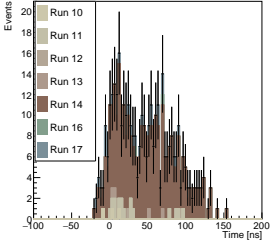
Run 10-17 for FEB 21: 350<z<400 mm



Run 10-17 for FEB 21: 400<z<450 mm

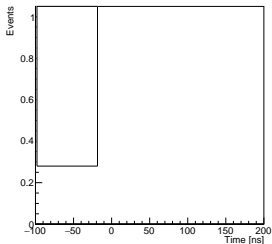


Run 10-17 for FEB 21: 450<z<500 mm

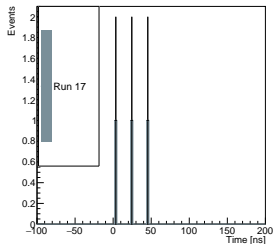


Readout 22

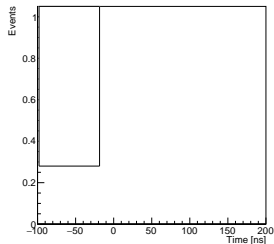
Run 10-17 for FEB 22: 200<z<250 mm



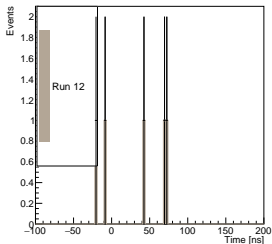
Run 10-17 for FEB 22: 250<z<300 mm



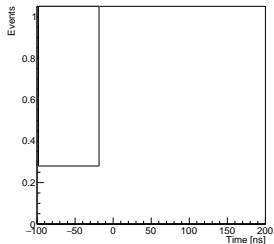
Run 10-17 for FEB 22: 300<z<350 mm



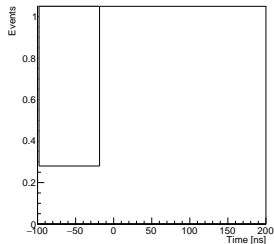
Run 10-17 for FEB 22: 350<z<400 mm



Run 10-17 for FEB 22: 400<z<450 mm

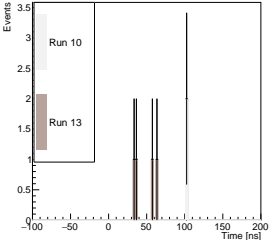


Run 10-17 for FEB 22: 450<z<500 mm

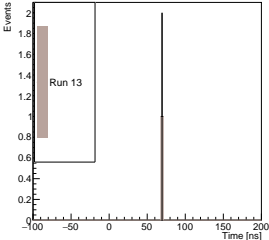


Readout 23

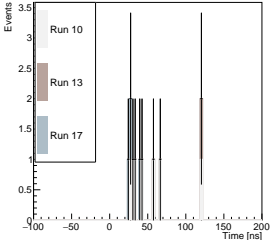
Run 10-17 for FEB 23: 200<z<250 mm



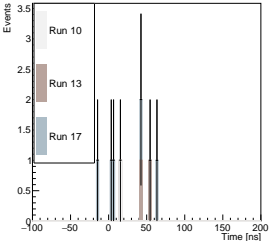
Run 10-17 for FEB 23: 250<z<300 mm



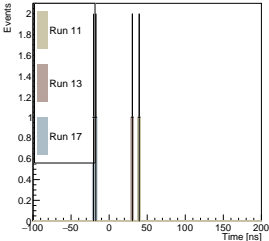
Run 10-17 for FEB 23: 300<z<350 mm



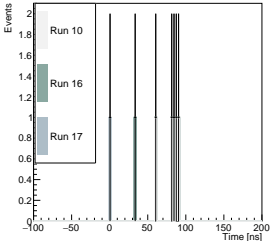
Run 10-17 for FEB 23: 350<z<400 mm



Run 10-17 for FEB 23: 400<z<450 mm

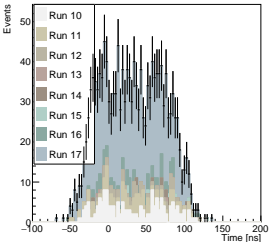


Run 10-17 for FEB 23: 450<z<500 mm

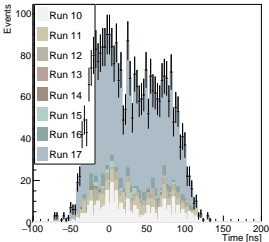


Readout 24

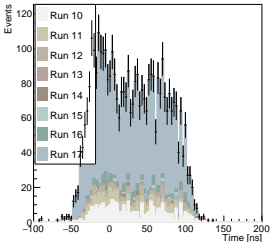
Run 10-17 for FEB 24: 200<z<250 mm



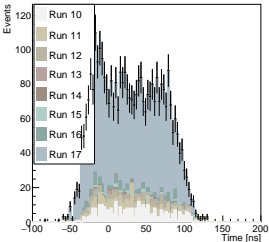
Run 10-17 for FEB 24: 250<z<300 mm



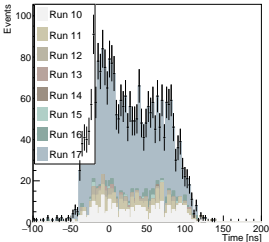
Run 10-17 for FEB 24: 300<z<350 mm



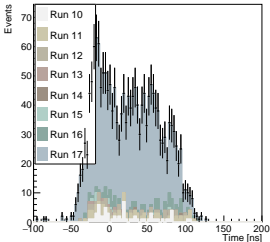
Run 10-17 for FEB 24: 350<z<400 mm



Run 10-17 for FEB 24: 400<z<450 mm

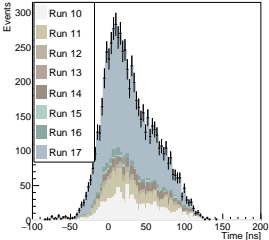


Run 10-17 for FEB 24: 450<z<500 mm

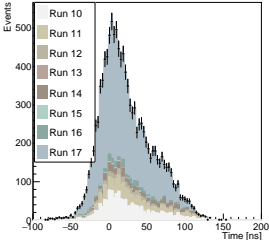


Readout 25

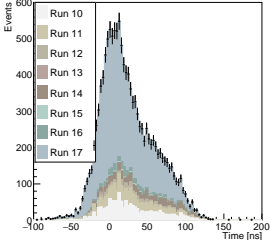
Run 10-17 for FEB 25: 200<z<250 mm



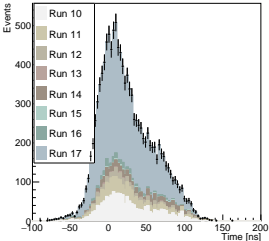
Run 10-17 for FEB 25: 250<z<300 mm



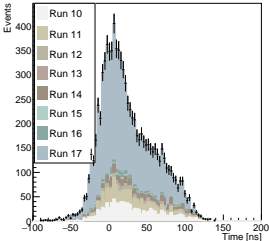
Run 10-17 for FEB 25: 300<z<350 mm



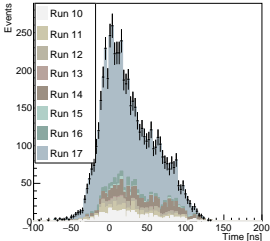
Run 10-17 for FEB 25: 350<z<400 mm



Run 10-17 for FEB 25: 400<z<450 mm

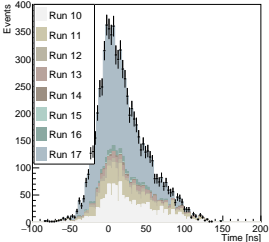


Run 10-17 for FEB 25: 450<z<500 mm

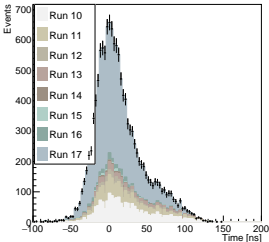


Readout 26

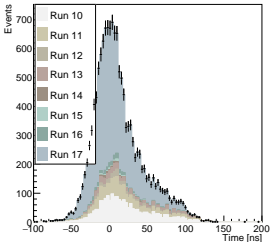
Run 10-17 for FEB 26: 200<z<250 mm



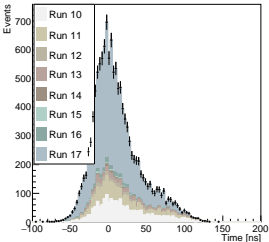
Run 10-17 for FEB 26: 250<z<300 mm



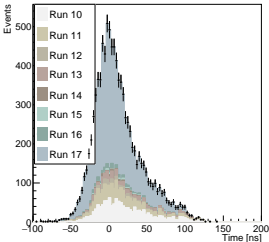
Run 10-17 for FEB 26: 300<z<350 mm



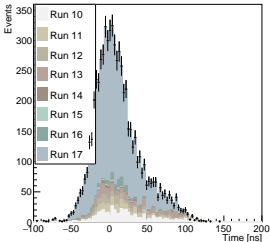
Run 10-17 for FEB 26: 350<z<400 mm



Run 10-17 for FEB 26: 400<z<450 mm

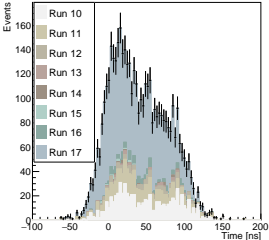


Run 10-17 for FEB 26: 450<z<500 mm

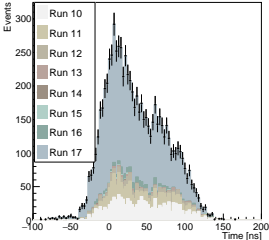


Readout 27

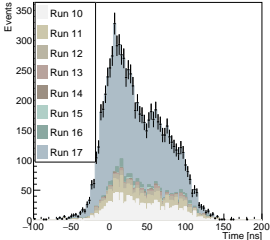
Run 10-17 for FEB 27: 200<z<250 mm



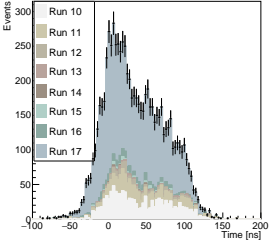
Run 10-17 for FEB 27: 250<z<300 mm



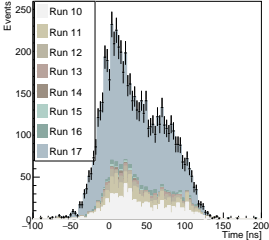
Run 10-17 for FEB 27: 300<z<350 mm



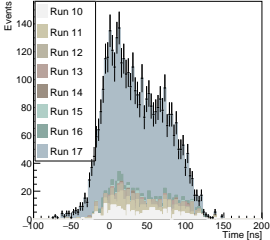
Run 10-17 for FEB 27: 350<z<400 mm



Run 10-17 for FEB 27: 400<z<450 mm

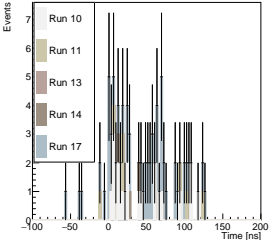


Run 10-17 for FEB 27: 450<z<500 mm

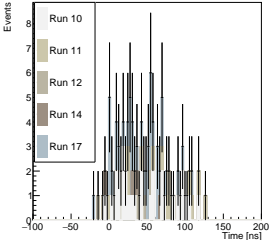


Readout 28

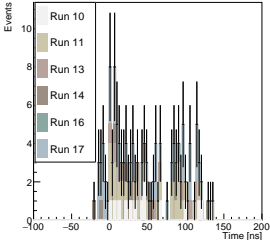
Run 10-17 for FEB 28: 200<z<250 mm



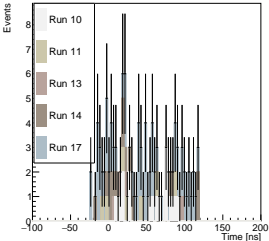
Run 10-17 for FEB 28: 250<z<300 mm



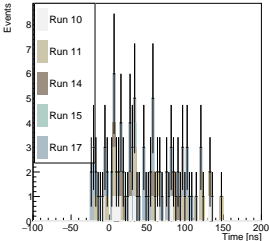
Run 10-17 for FEB 28: 300<z<350 mm



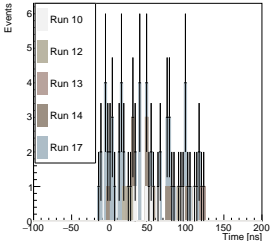
Run 10-17 for FEB 28: 350<z<400 mm



Run 10-17 for FEB 28: 400<z<450 mm

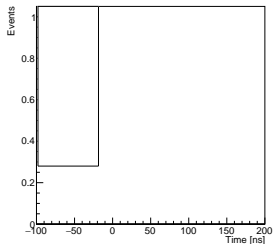


Run 10-17 for FEB 28: 450<z<500 mm

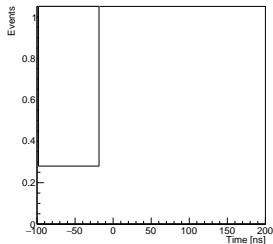


Readout 29

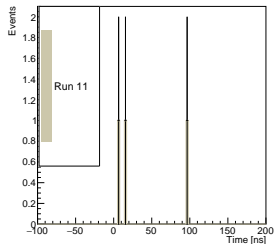
Run 10-17 for FEB 29: 200<z<250 mm



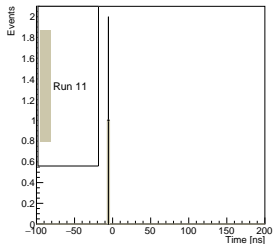
Run 10-17 for FEB 29: 250<z<300 mm



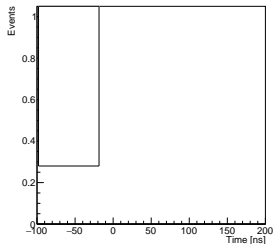
Run 10-17 for FEB 29: 300<z<350 mm



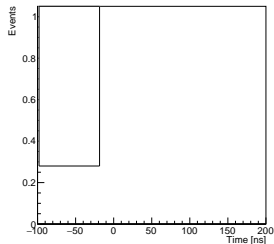
Run 10-17 for FEB 29: 350<z<400 mm



Run 10-17 for FEB 29: 400<z<450 mm

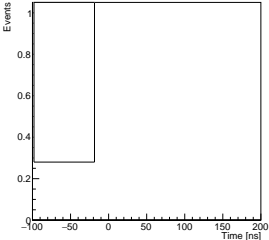


Run 10-17 for FEB 29: 450<z<500 mm

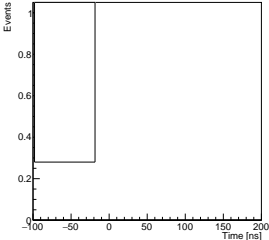


Readout 30

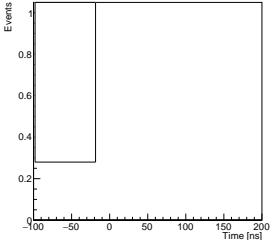
Run 10-17 for FEB 30: 200<z<250 mm



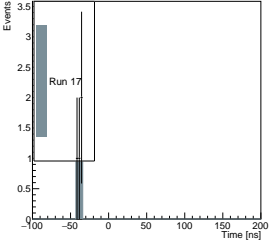
Run 10-17 for FEB 30: 250<z<300 mm



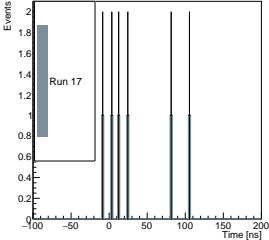
Run 10-17 for FEB 30: 300<z<350 mm



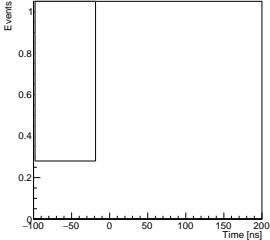
Run 10-17 for FEB 30: 350<z<400 mm



Run 10-17 for FEB 30: 400<z<450 mm

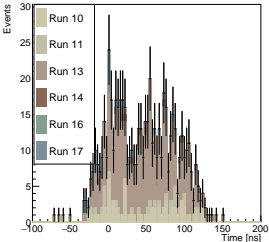


Run 10-17 for FEB 30: 450<z<500 mm

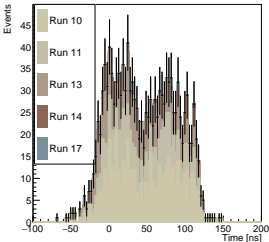


Readout 31

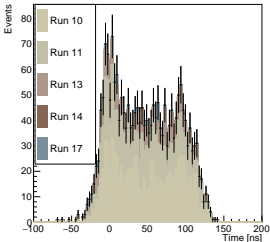
Run 10-17 for FEB 31: 200<z<250 mm



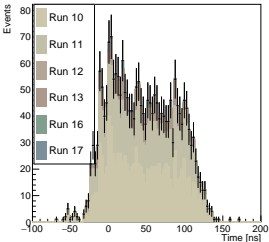
Run 10-17 for FEB 31: 250<z<300 mm



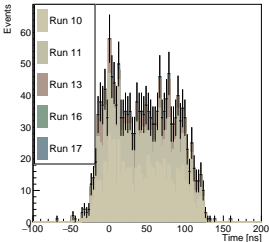
Run 10-17 for FEB 31: 300<z<350 mm



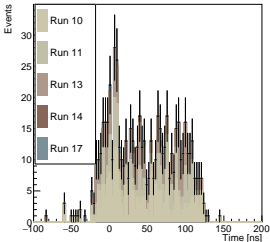
Run 10-17 for FEB 31: 350<z<400 mm



Run 10-17 for FEB 31: 400<z<450 mm

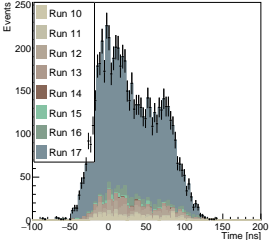


Run 10-17 for FEB 31: 450<z<500 mm

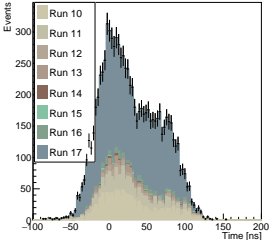


Readout 32

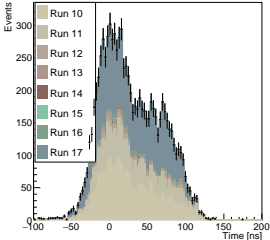
Run 10-17 for FEB 32: 200<z<250 mm



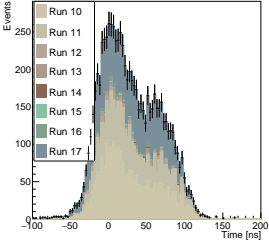
Run 10-17 for FEB 32: 250<z<300 mm



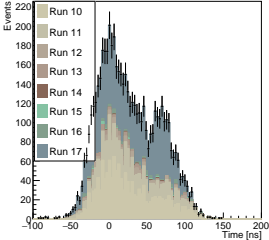
Run 10-17 for FEB 32: 300<z<350 mm



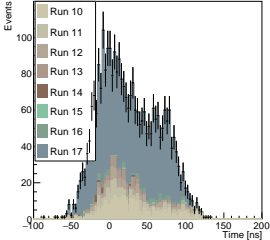
Run 10-17 for FEB 32: 350<z<400 mm



Run 10-17 for FEB 32: 400<z<450 mm

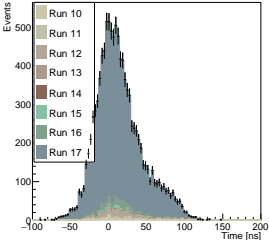


Run 10-17 for FEB 32: 450<z<500 mm

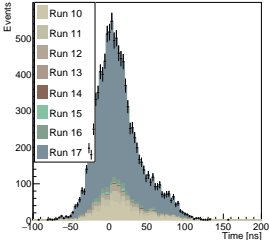


Readout 33

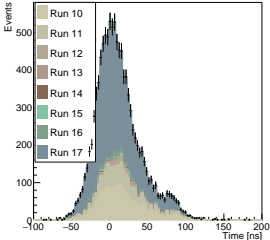
Run 10-17 for FEB 33: 200<z<250 mm



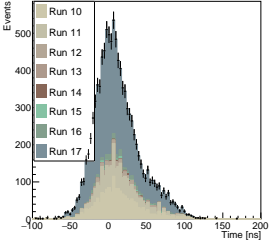
Run 10-17 for FEB 33: 250<z<300 mm



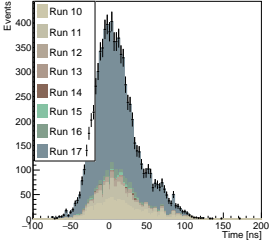
Run 10-17 for FEB 33: 300<z<350 mm



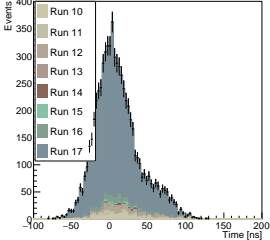
Run 10-17 for FEB 33: 350<z<400 mm



Run 10-17 for FEB 33: 400<z<450 mm

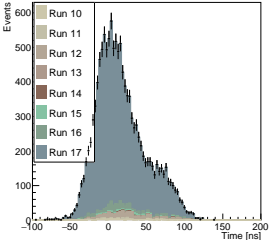


Run 10-17 for FEB 33: 450<z<500 mm

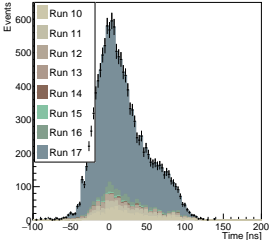


Readout 34

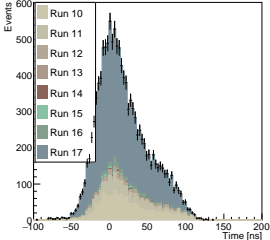
Run 10-17 for FEB 34: 200<z<250 mm



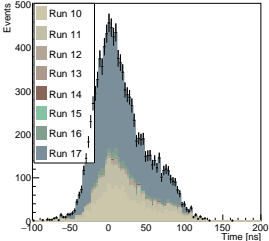
Run 10-17 for FEB 34: 250<z<300 mm



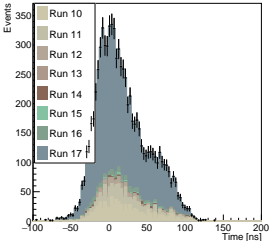
Run 10-17 for FEB 34: 300<z<350 mm



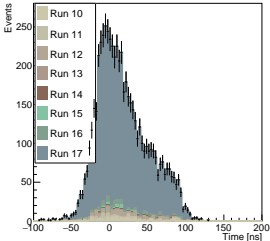
Run 10-17 for FEB 34: 350<z<400 mm



Run 10-17 for FEB 34: 400<z<450 mm

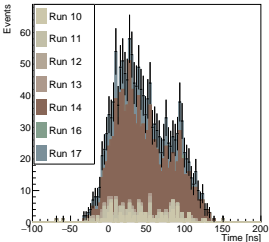


Run 10-17 for FEB 34: 450<z<500 mm

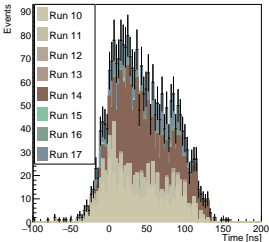


Readout 35

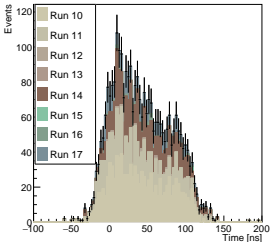
Run 10-17 for FEB 35: 200<z<250 mm



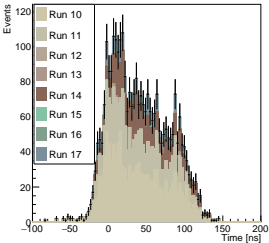
Run 10-17 for FEB 35: 250<z<300 mm



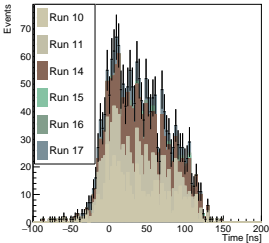
Run 10-17 for FEB 35: 300<z<350 mm



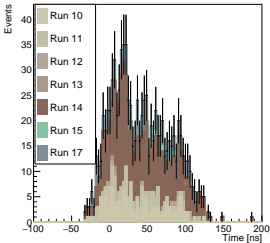
Run 10-17 for FEB 35: 350<z<400 mm



Run 10-17 for FEB 35: 400<z<450 mm

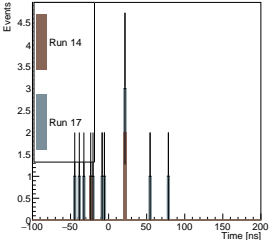


Run 10-17 for FEB 35: 450<z<500 mm

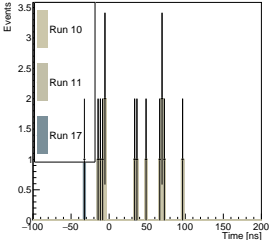


Readout 36

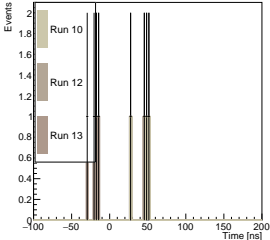
Run 10-17 for FEB 36: 200<z<250 mm



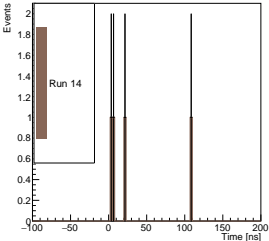
Run 10-17 for FEB 36: 250<z<300 mm



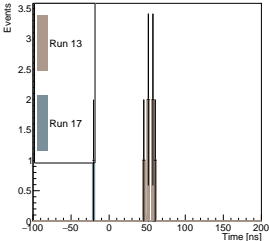
Run 10-17 for FEB 36: 300<z<350 mm



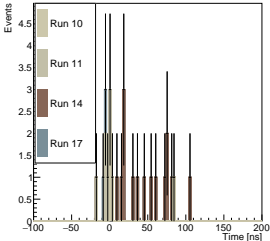
Run 10-17 for FEB 36: 350<z<400 mm



Run 10-17 for FEB 36: 400<z<450 mm

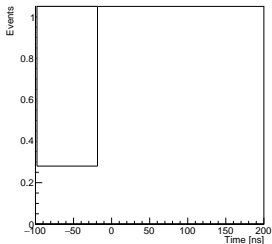


Run 10-17 for FEB 36: 450<z<500 mm

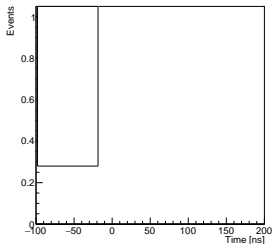


Readout 37

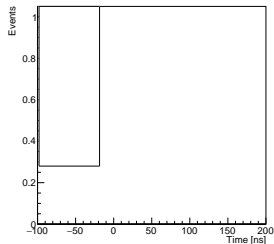
Run 10-17 for FEB 37: 200<z<250 mm



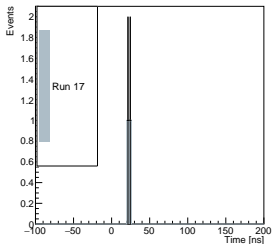
Run 10-17 for FEB 37: 250<z<300 mm



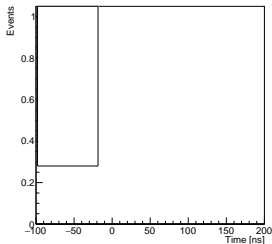
Run 10-17 for FEB 37: 300<z<350 mm



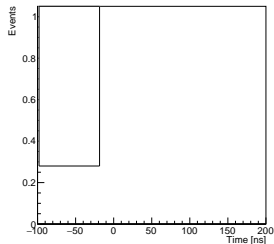
Run 10-17 for FEB 37: 350<z<400 mm



Run 10-17 for FEB 37: 400<z<450 mm

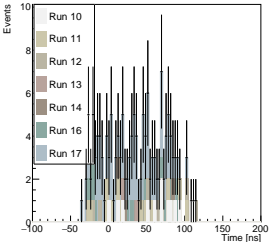


Run 10-17 for FEB 37: 450<z<500 mm

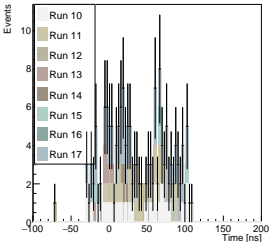


Readout 38

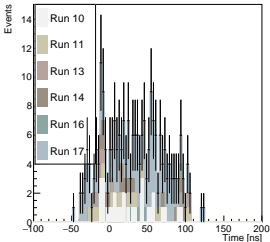
Run 10-17 for FEB 38: 200<z<250 mm



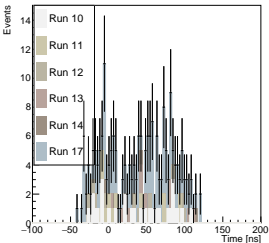
Run 10-17 for FEB 38: 250<z<300 mm



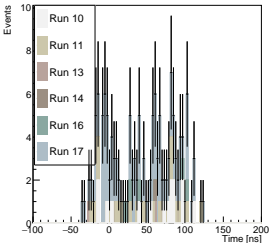
Run 10-17 for FEB 38: 300<z<350 mm



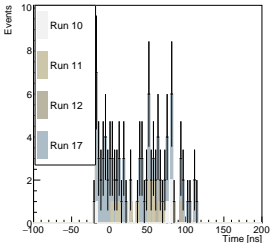
Run 10-17 for FEB 38: 350<z<400 mm



Run 10-17 for FEB 38: 400<z<450 mm

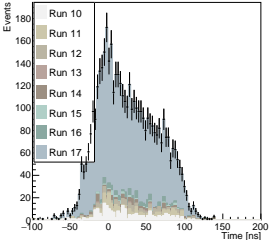


Run 10-17 for FEB 38: 450<z<500 mm

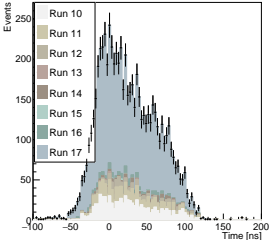


Readout 39

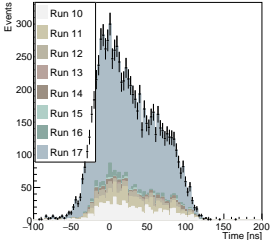
Run 10-17 for FEB 39: 200<z<250 mm



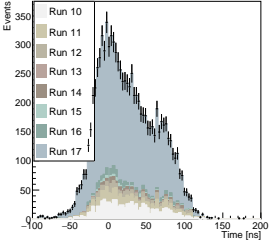
Run 10-17 for FEB 39: 250<z<300 mm



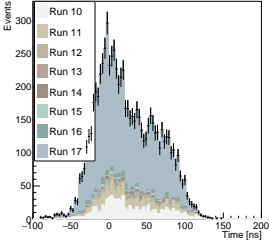
Run 10-17 for FEB 39: 300<z<350 mm



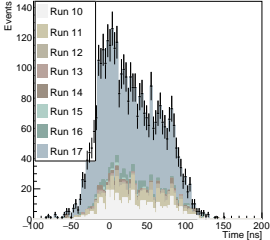
Run 10-17 for FEB 39: 350<z<400 mm



Run 10-17 for FEB 39: 400<z<450 mm

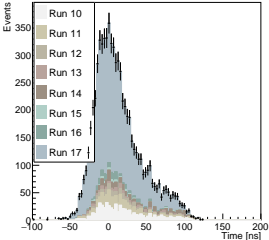


Run 10-17 for FEB 39: 450<z<500 mm

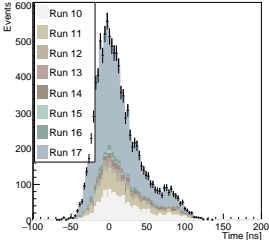


Readout 40

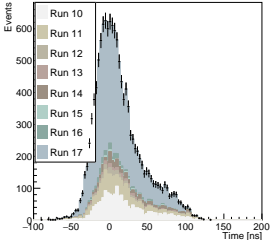
Run 10-17 for FEB 40: 200<z<250 mm



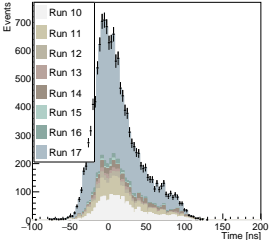
Run 10-17 for FEB 40: 250<z<300 mm



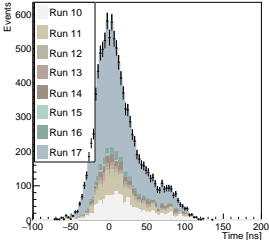
Run 10-17 for FEB 40: 300<z<350 mm



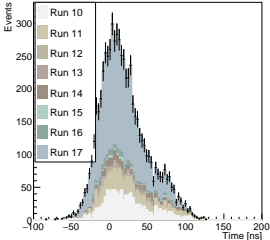
Run 10-17 for FEB 40: 350<z<400 mm



Run 10-17 for FEB 40: 400<z<450 mm

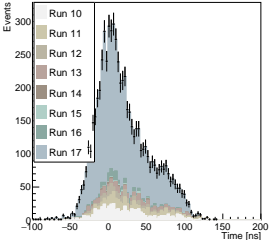


Run 10-17 for FEB 40: 450<z<500 mm

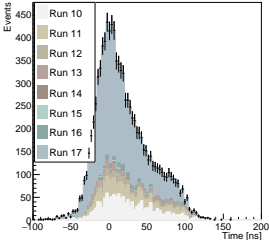


Readout 41

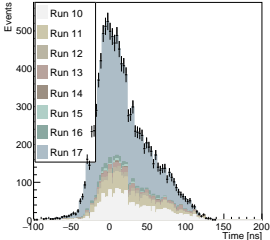
Run 10-17 for FEB 41: 200<z<250 mm



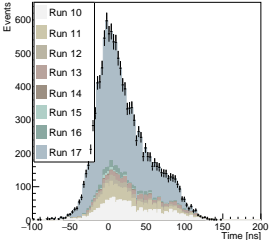
Run 10-17 for FEB 41: 250<z<300 mm



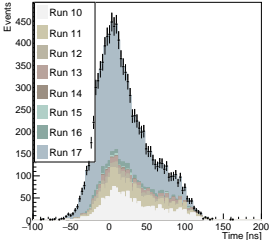
Run 10-17 for FEB 41: 300<z<350 mm



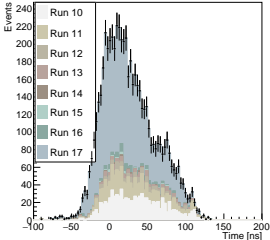
Run 10-17 for FEB 41: 350<z<400 mm



Run 10-17 for FEB 41: 400<z<450 mm

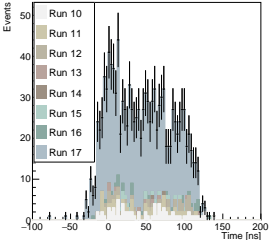


Run 10-17 for FEB 41: 450<z<500 mm

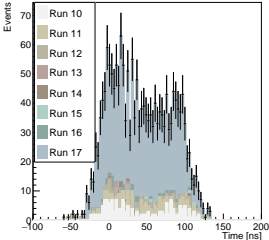


Readout 42

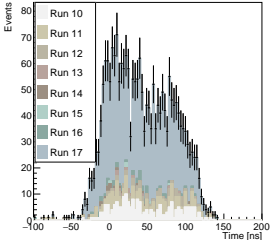
Run 10-17 for FEB 42: 200<z<250 mm



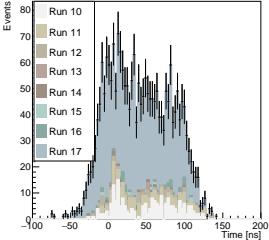
Run 10-17 for FEB 42: 250<z<300 mm



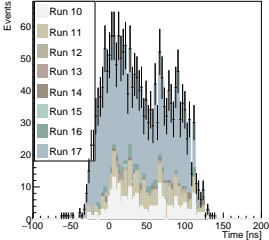
Run 10-17 for FEB 42: 300<z<350 mm



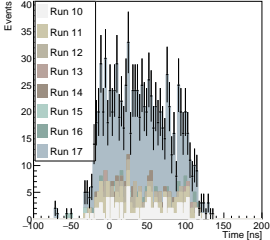
Run 10-17 for FEB 42: 350<z<400 mm



Run 10-17 for FEB 42: 400<z<450 mm

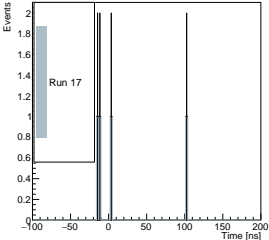


Run 10-17 for FEB 42: 450<z<500 mm

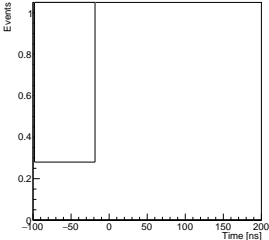


Readout 43

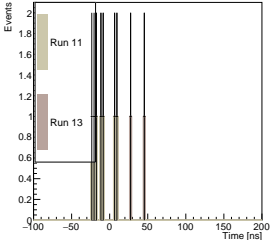
Run 10-17 for FEB 43: 200<z<250 mm



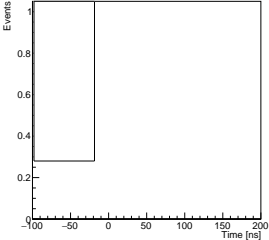
Run 10-17 for FEB 43: 250<z<300 mm



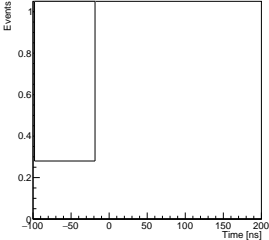
Run 10-17 for FEB 43: 300<z<350 mm



Run 10-17 for FEB 43: 350<z<400 mm



Run 10-17 for FEB 43: 400<z<450 mm



Run 10-17 for FEB 43: 450<z<500 mm

