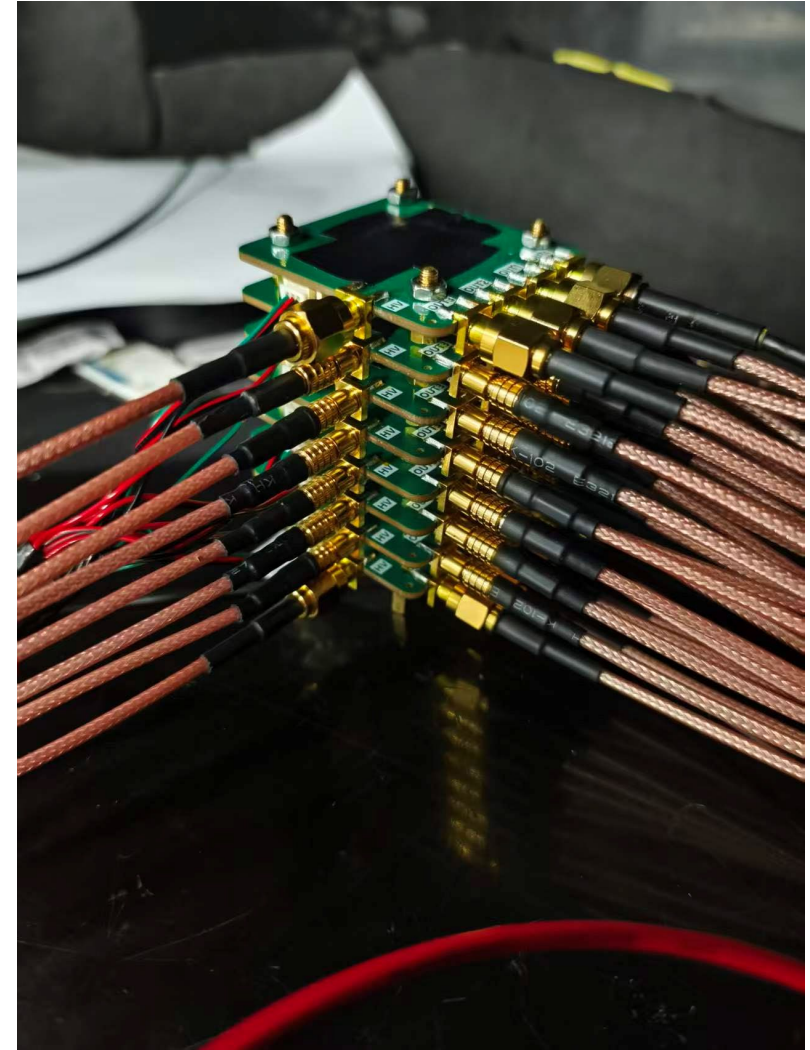
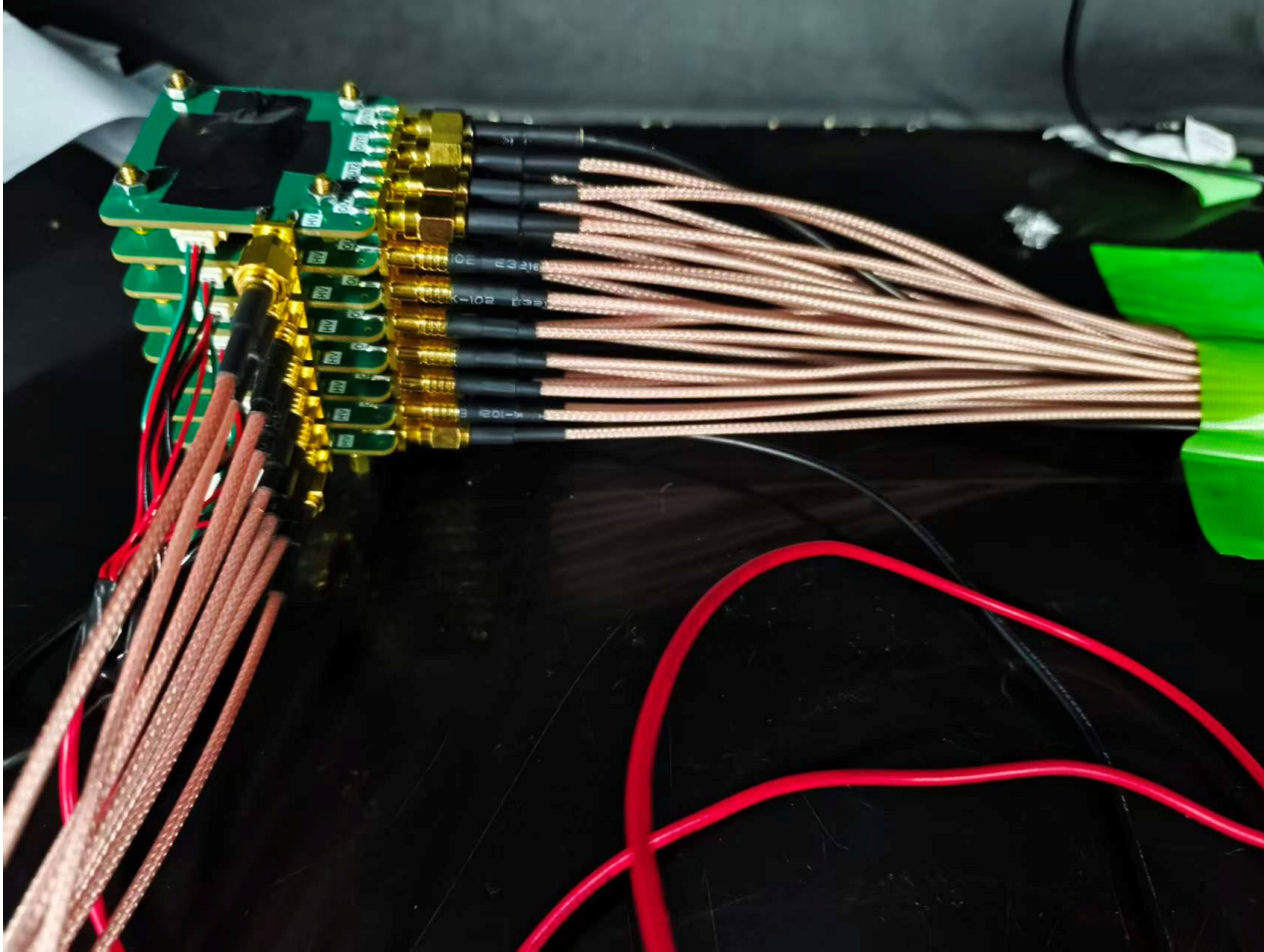


8层PSS径迹重建

邹世明

2026/05/08

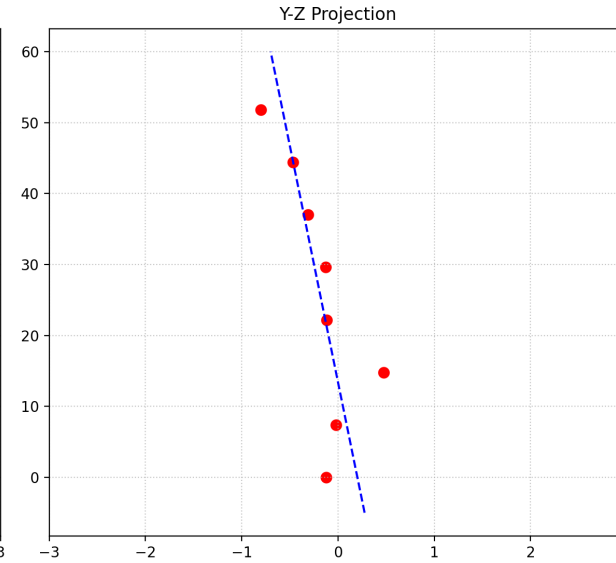
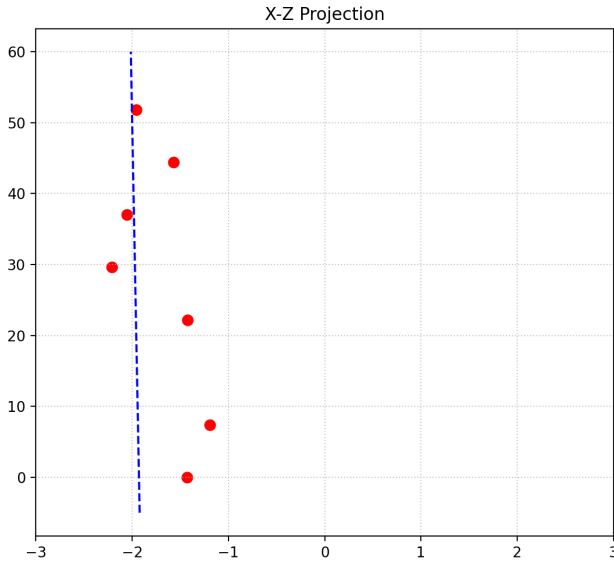
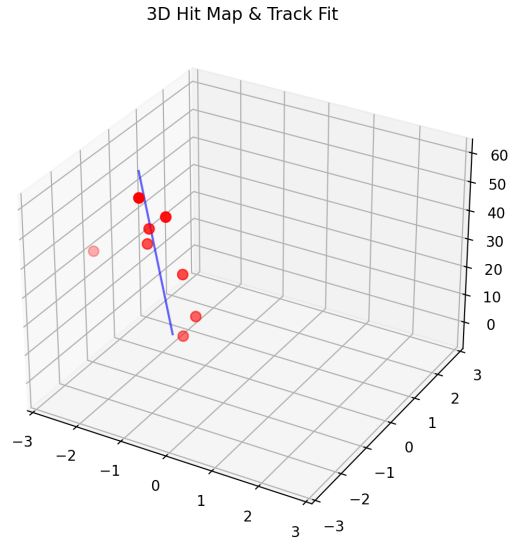
8-layer PSS test



上下两层PSS进行逻辑触发

Tracks

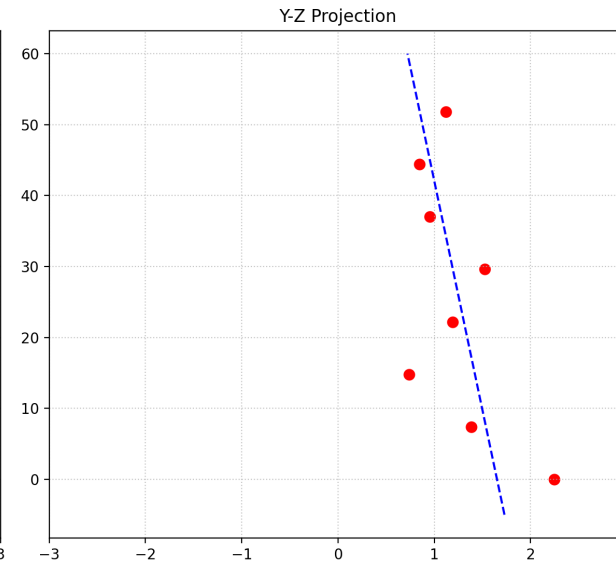
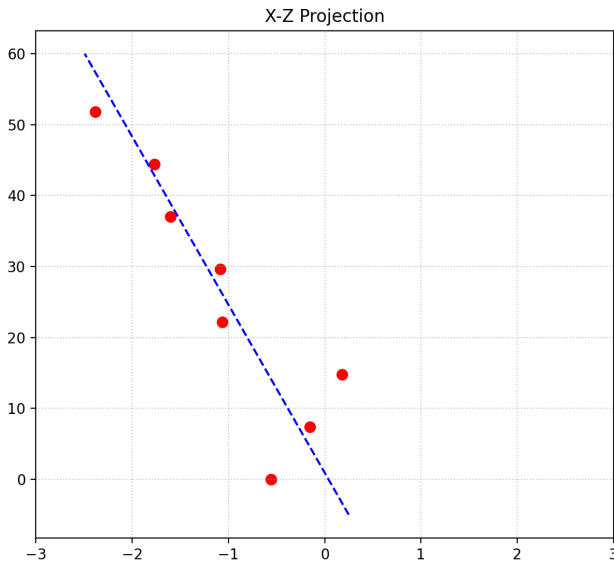
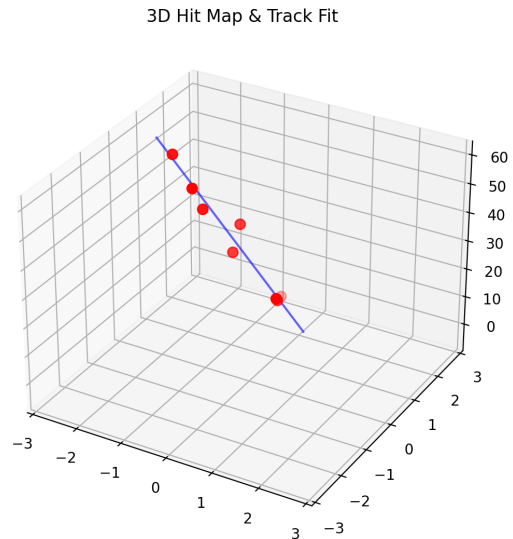
Event 824 Reconstruction



ADC Sums (mV)

Layer 1 (Z = 0.0 mm): 39.5
Layer 2 (Z = 7.4 mm): 48.6
Layer 3 (Z = 14.8 mm): 30.2
Layer 4 (Z = 22.2 mm): 43.7
Layer 5 (Z = 29.6 mm): 55.5
Layer 6 (Z = 37.0 mm): 142.9
Layer 7 (Z = 44.4 mm): 56.6
Layer 8 (Z = 51.8 mm): 65.6

Event 4450 Reconstruction



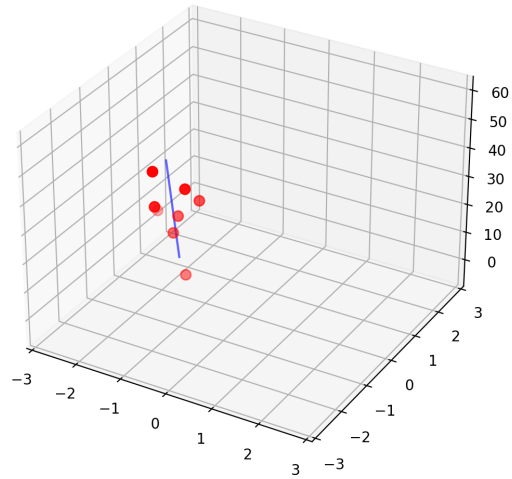
ADC Sums (mV)

Layer 1 (Z = 0.0 mm): 27.6
Layer 2 (Z = 7.4 mm): 33.1
Layer 3 (Z = 14.8 mm): 39.0
Layer 4 (Z = 22.2 mm): 47.5
Layer 5 (Z = 29.6 mm): 41.3
Layer 6 (Z = 37.0 mm): 71.4
Layer 7 (Z = 44.4 mm): 40.6
Layer 8 (Z = 51.8 mm): 59.7

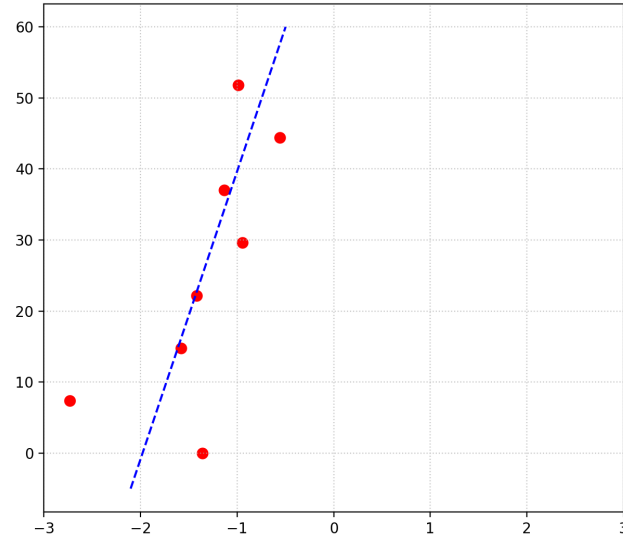
Tracks

Event 5377 Reconstruction

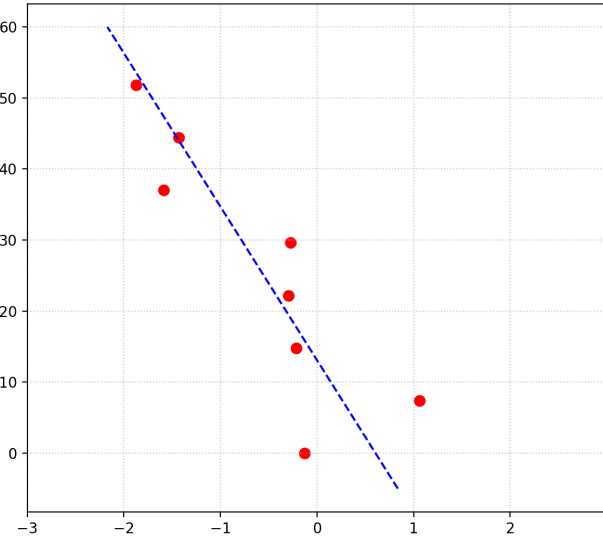
3D Hit Map & Track Fit



X-Z Projection



Y-Z Projection

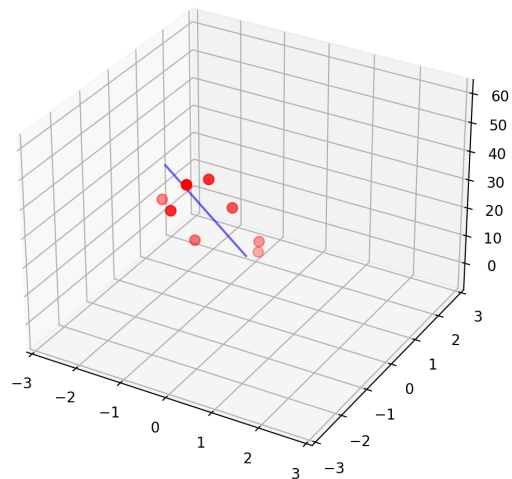


ADC Sums (mV)

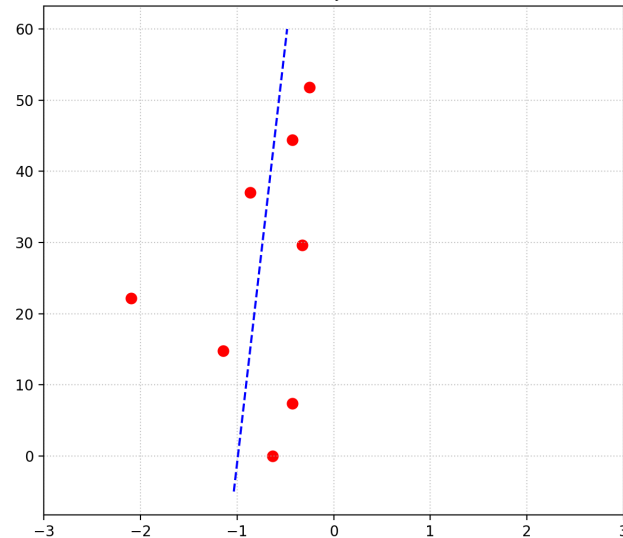
Layer 1 (Z = 0.0 mm): 30.7
Layer 2 (Z = 7.4 mm): 20.4
Layer 3 (Z = 14.8 mm): 37.7
Layer 4 (Z = 22.2 mm): 44.5
Layer 5 (Z = 29.6 mm): 41.5
Layer 6 (Z = 37.0 mm): 47.7
Layer 7 (Z = 44.4 mm): 37.7
Layer 8 (Z = 51.8 mm): 91.9

Event 2743 Reconstruction

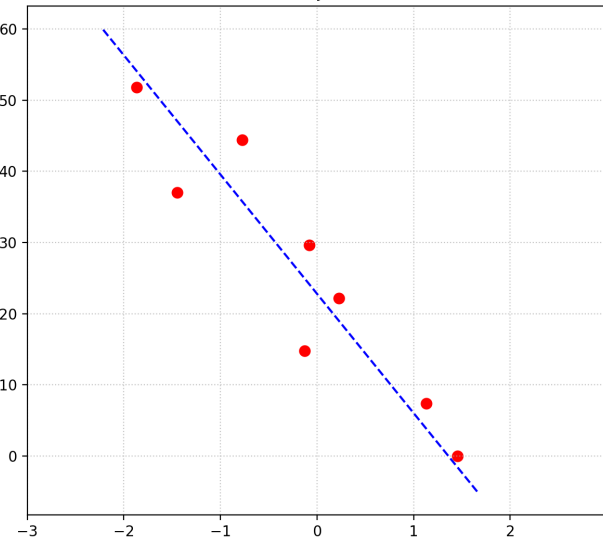
3D Hit Map & Track Fit



X-Z Projection



Y-Z Projection



ADC Sums (mV)

Layer 1 (Z = 0.0 mm): 84.0
Layer 2 (Z = 7.4 mm): 31.8
Layer 3 (Z = 14.8 mm): 51.6
Layer 4 (Z = 22.2 mm): 24.1
Layer 5 (Z = 29.6 mm): 44.3
Layer 6 (Z = 37.0 mm): 46.0
Layer 7 (Z = 44.4 mm): 20.9
Layer 8 (Z = 51.8 mm): 38.3