

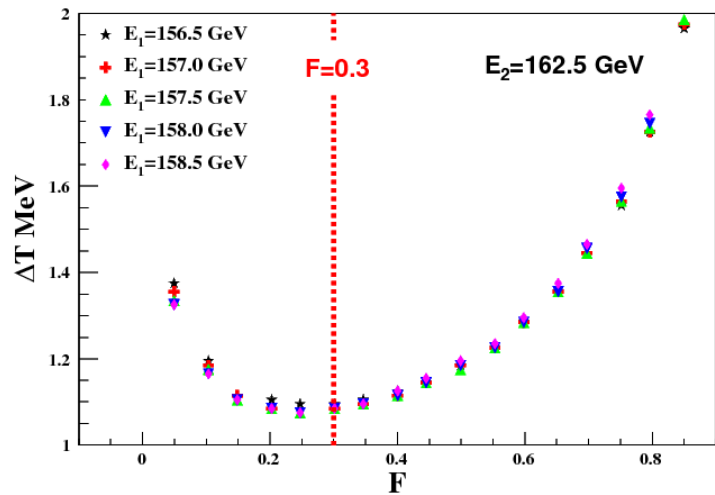
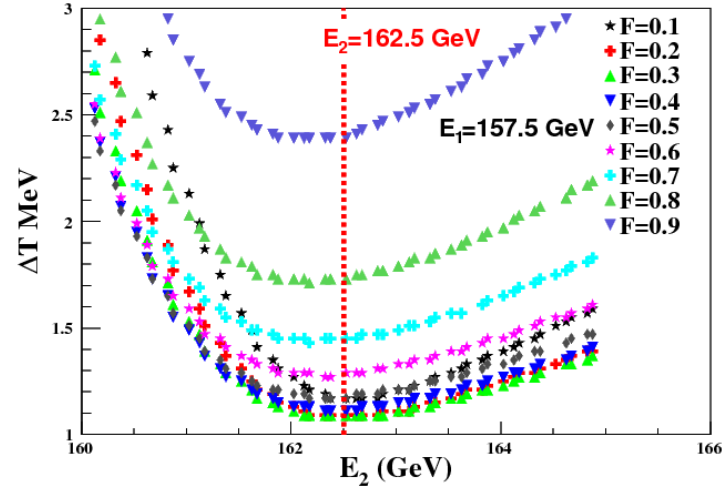
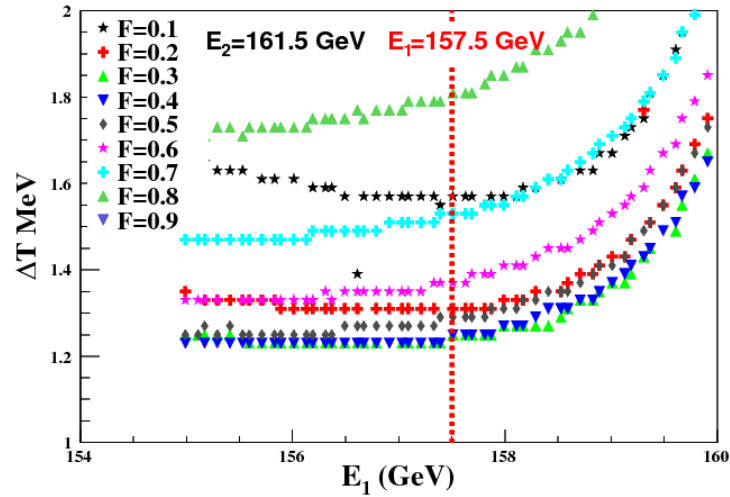
What's new

- Check the result
 1. Change the input m_W with current data taking scheme
 2. Re-optimizing with m'_W
- With the new data point: $E=172\text{GeV}$, $L=0.5ab^{-1}$, update preliminary results.
- Preparing the note

Check the result

Input/output	m_W (MeV)	Δm_W (MeV)	Γ_W (MeV)	$\Delta \Gamma_W$ (MeV)
80.385 GeV	80385.0 ± 0.03	0.98 ± 0.02	2084.5 ± 0.09	2.90 ± 0.07
80.370 GeV	80370.0 ± 0.03	1.00 ± 0.02	2085.0 ± 0.09	2.91 ± 0.07

Check the result (3D scan)



The results are consistent with
 $m_W = 80.385$ GeV

Comparison of stat. uncertainty

Data points	Δm_W (MeV)	$\Delta \Gamma_W$ (MeV)	Δm_W (MeV)	$\Delta \Gamma_W$ (MeV)
1	0.68	-	0.85/0.85	-
2	0.81	2.72	1.02/1.00	3.44/3.21
3	0.81	2.73	1.03/1.00	3.45/3.21



Previous optimized results
 $L=3.2 \text{ ab}^{-1}$



With/without the additional data point
 $L=2.0 \text{ ab}^{-1}$

Next to do

- Check the 5D scan results with m'_W
- Compare the systematic uncertainty with additional data point
- Prepare the note