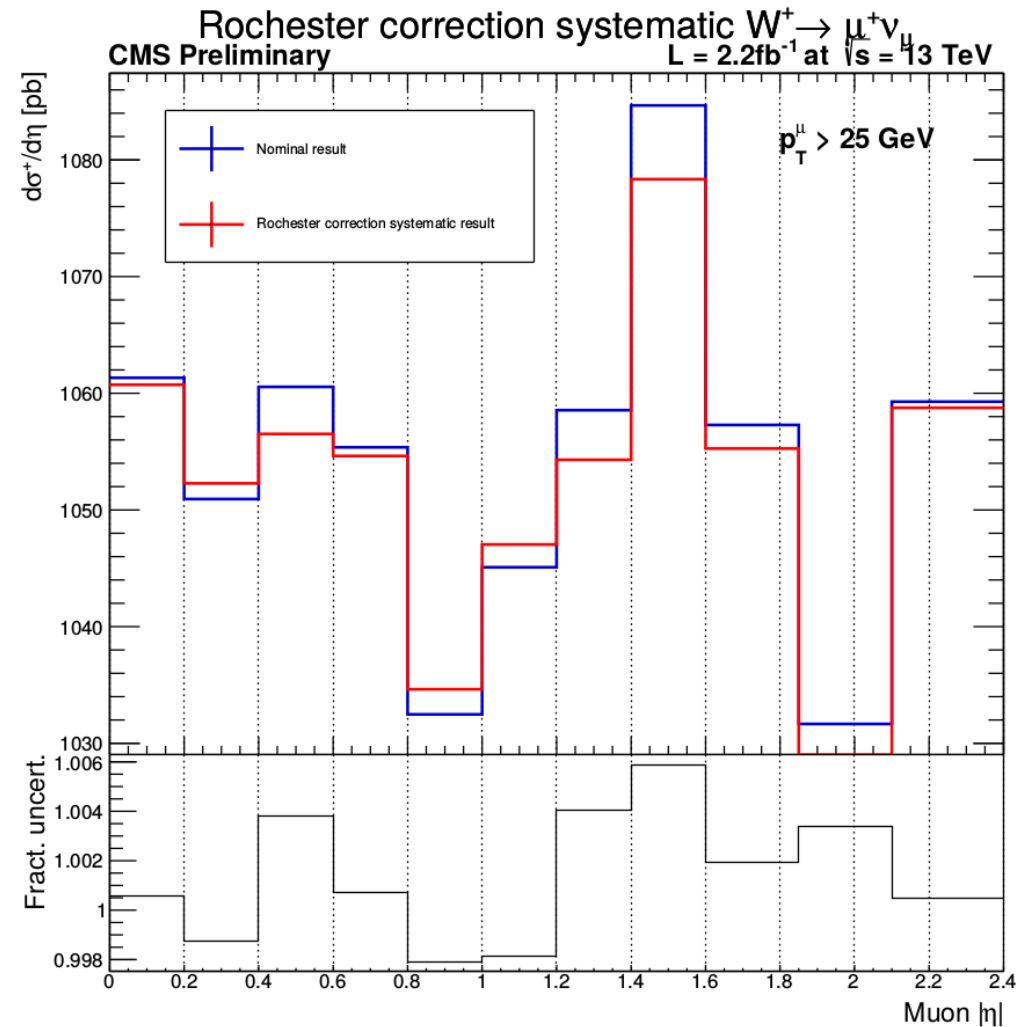
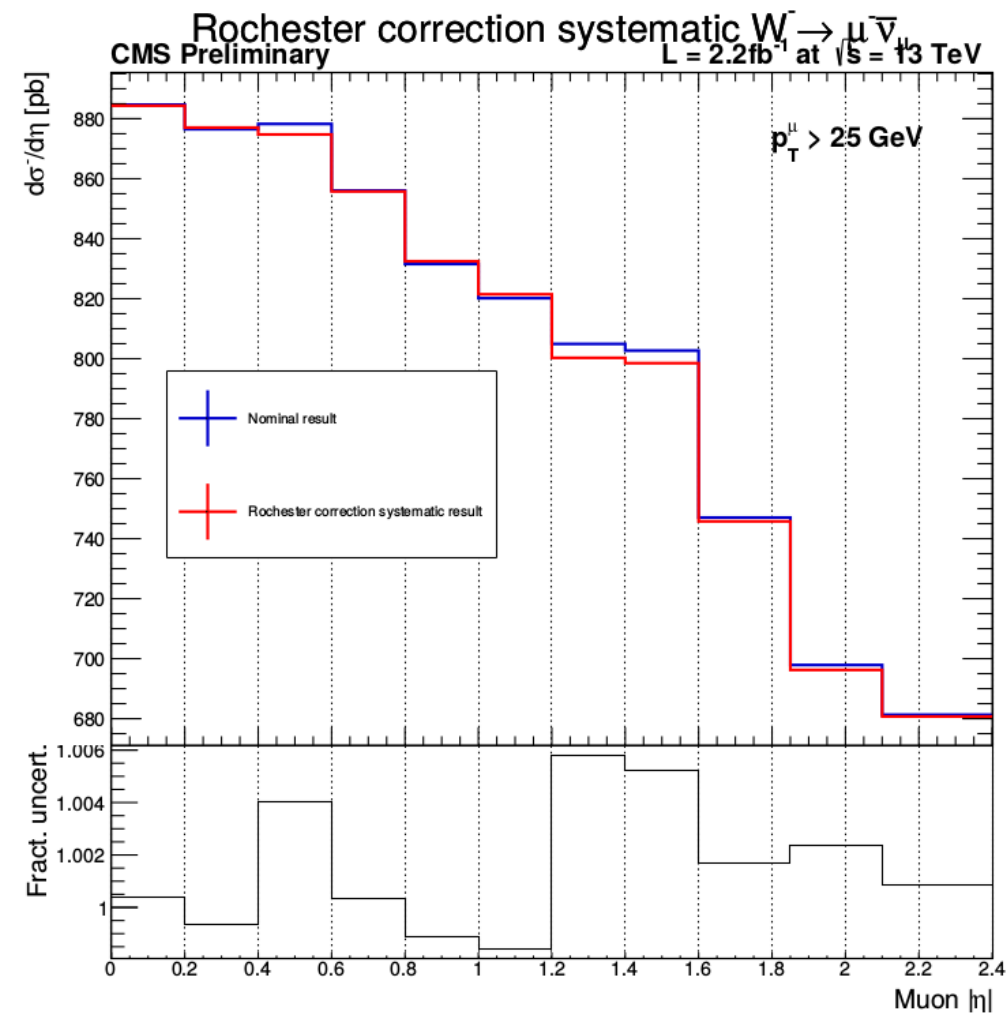


W asymmetry studies update: Systematics

15.01.2019

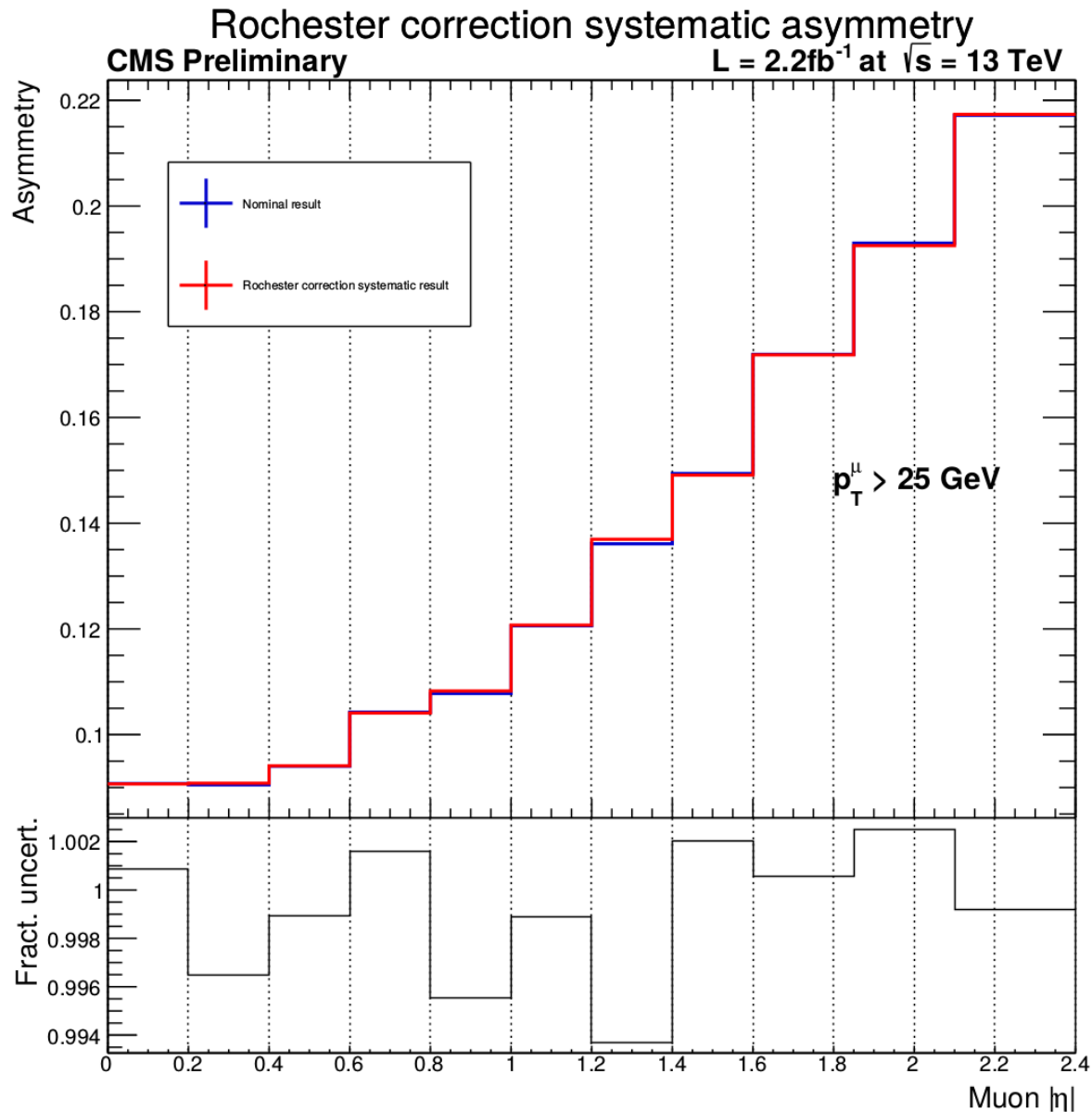
Muon energy scale & resolution

Rochester correction systematic (diff. cross section)



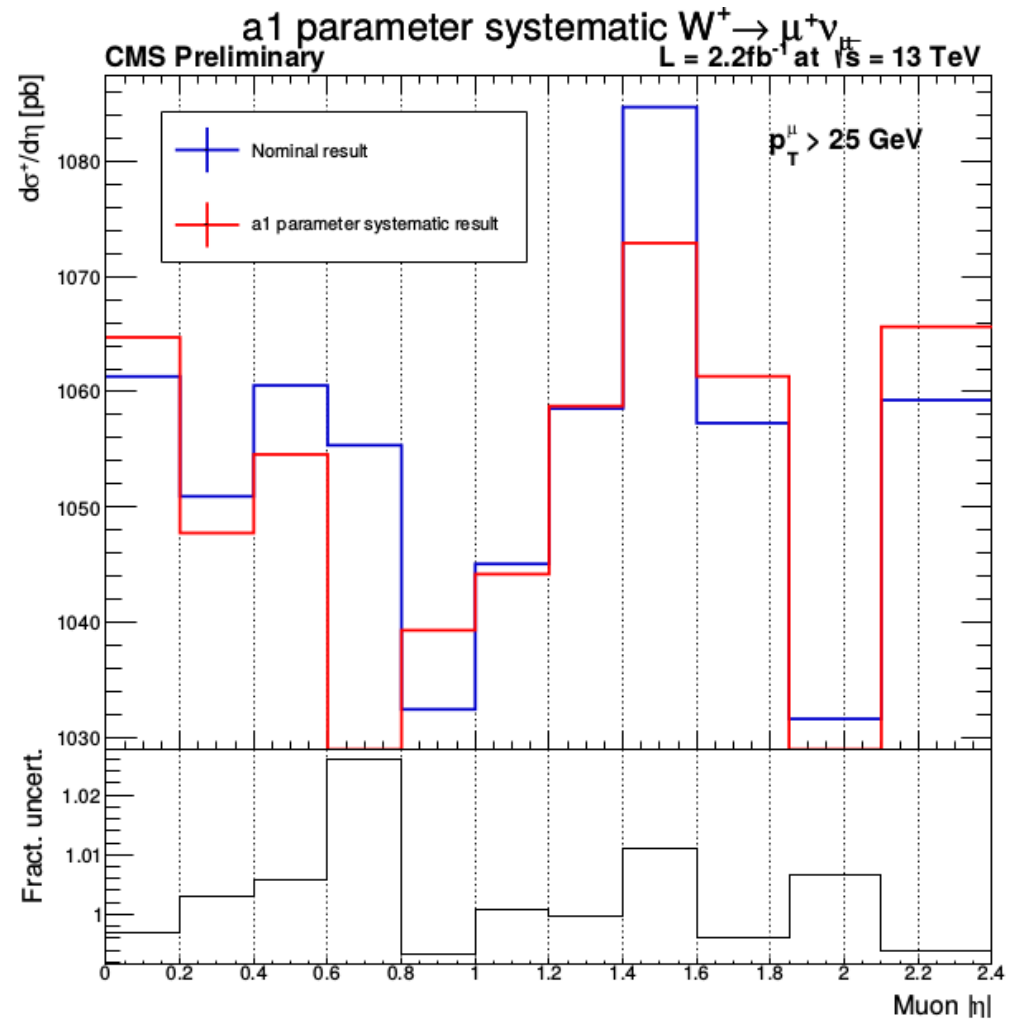
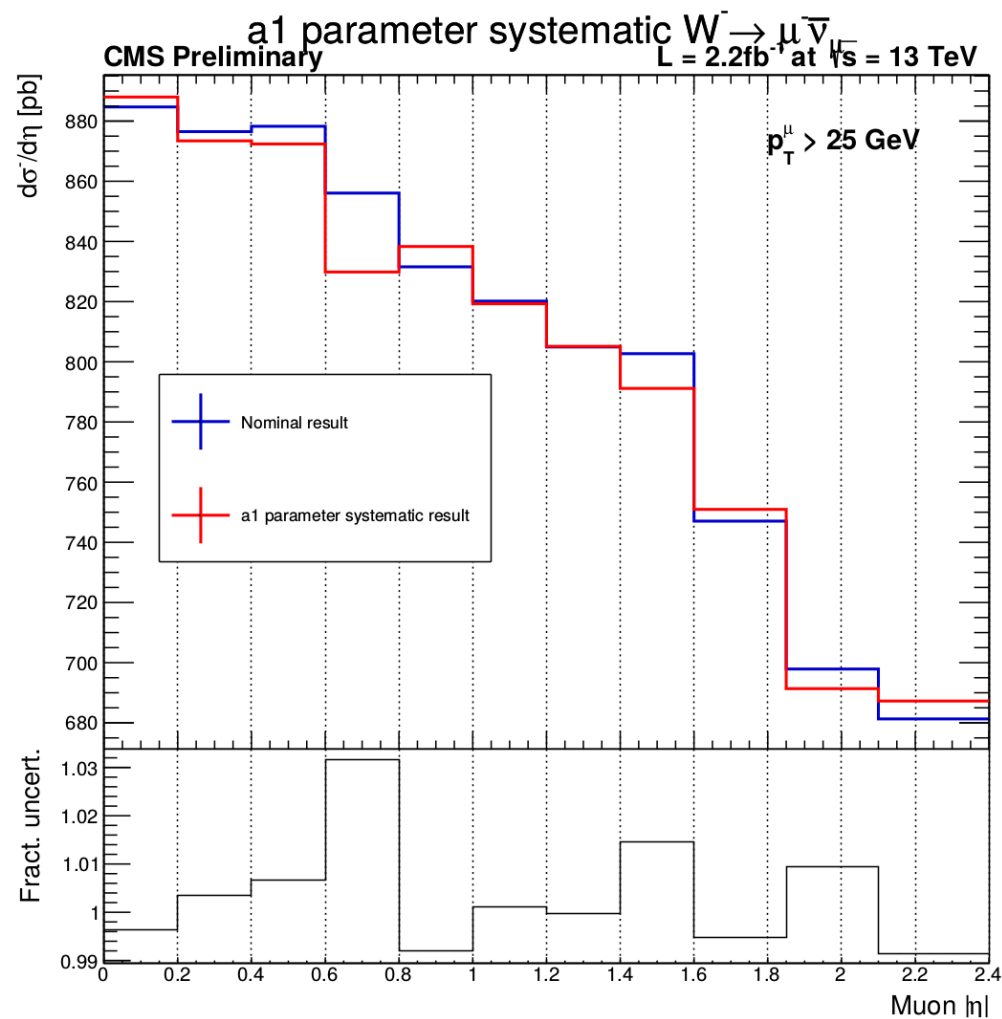
Muon energy scale & resolution

Rochester correction systematic (asymmetry)



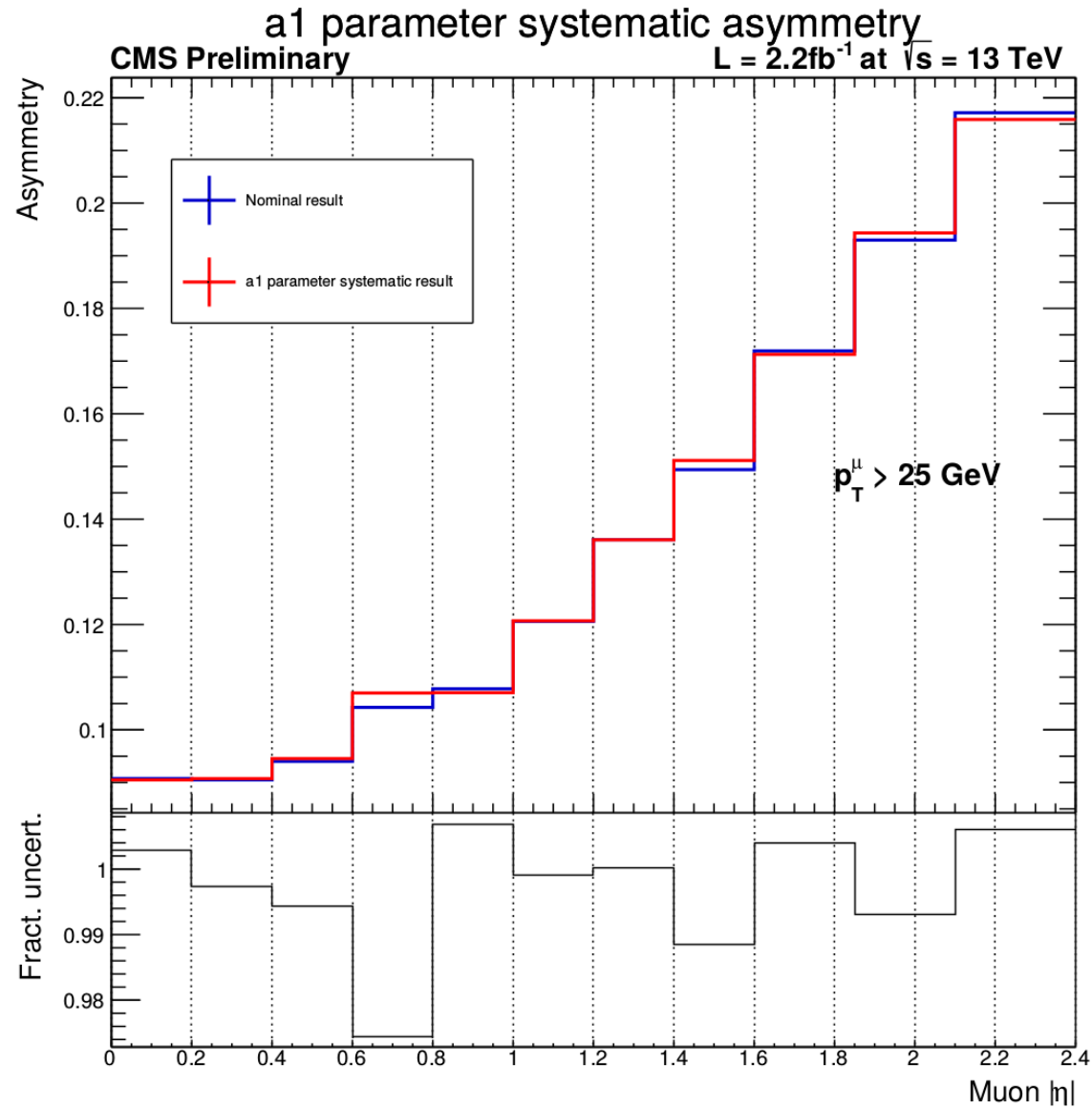
W signal extraction fit

- sys. uncert. by not fixing a1 parameter(diff. cross sections).



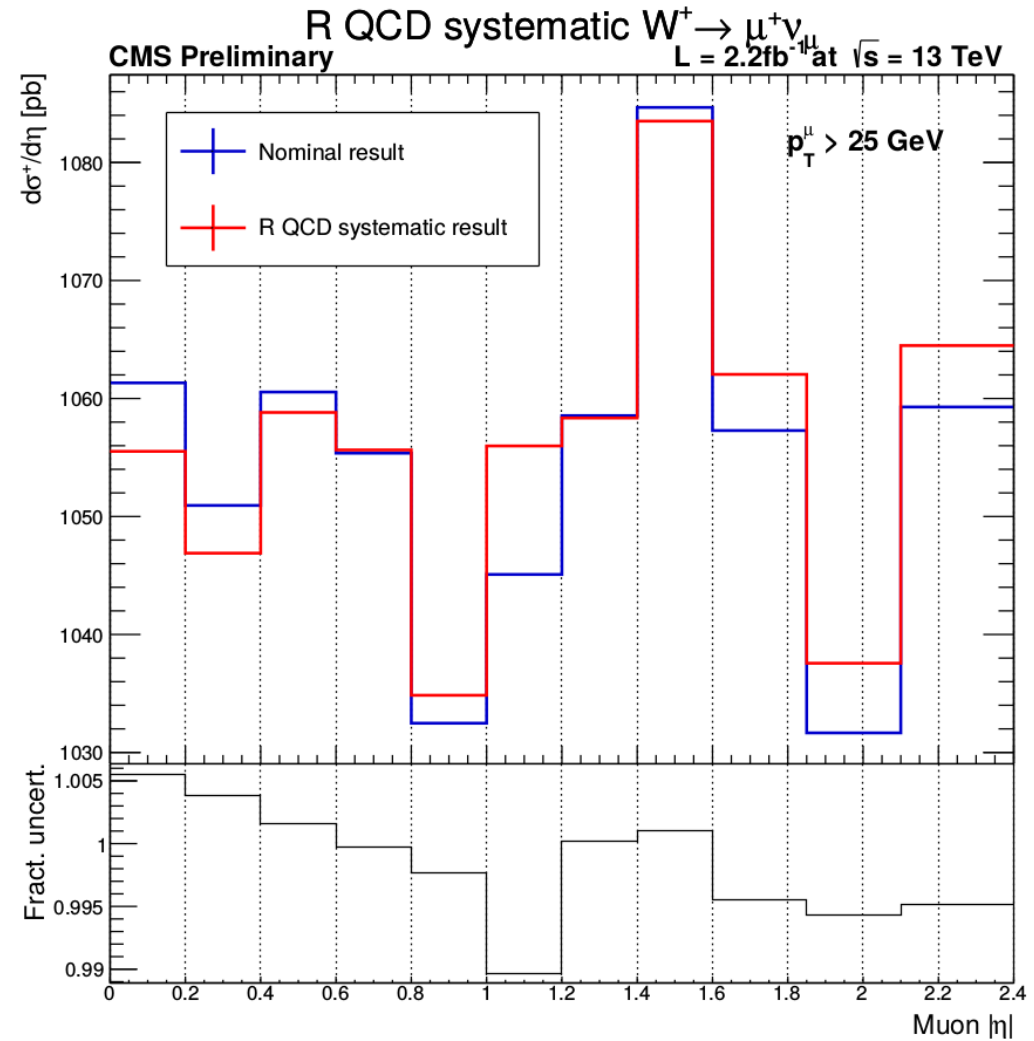
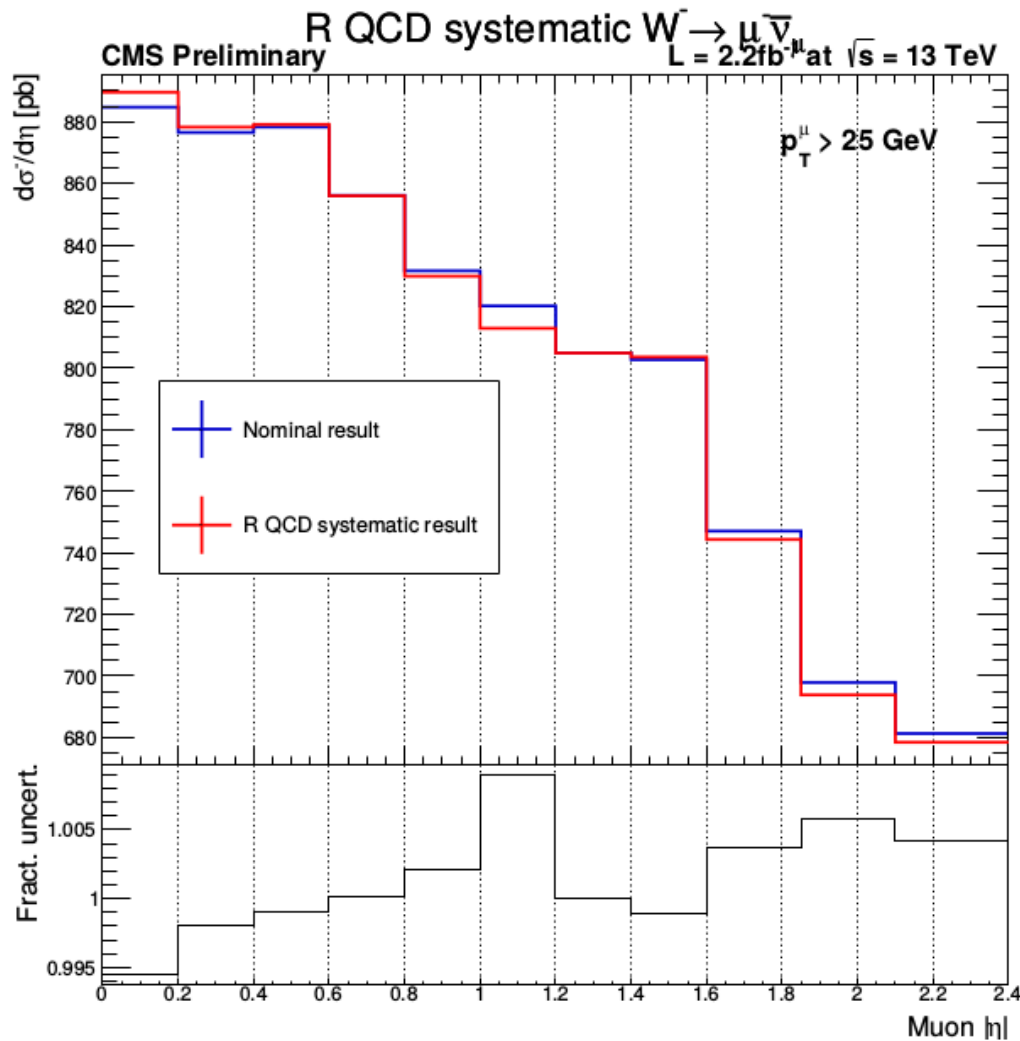
W signal extraction fit

- sys. uncert. by not fixing a_1 parameter(asymmetry).



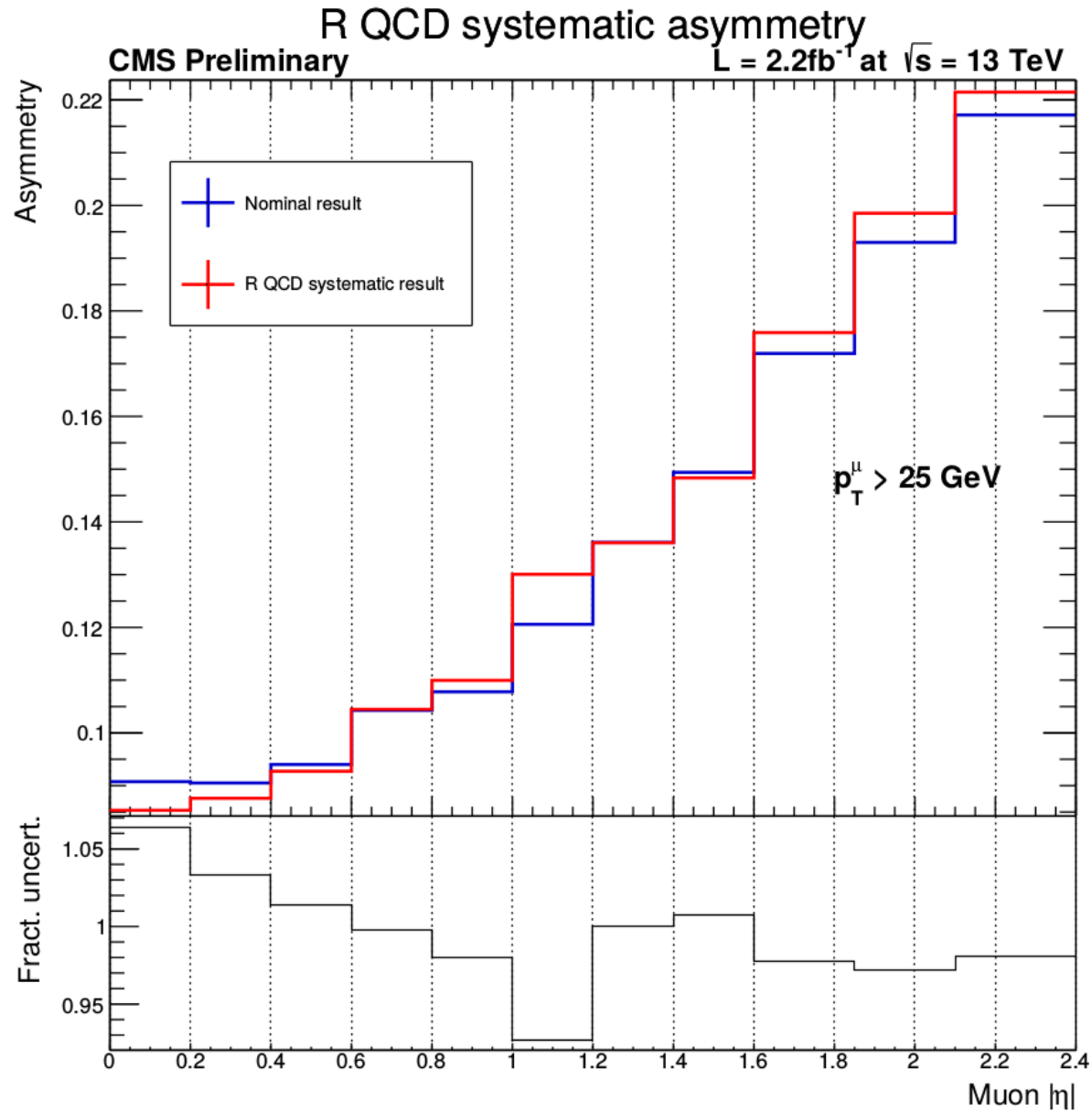
W signal extraction fit

- $R^{\text{QCD}}_{\pm}$ systematic(diff. cross sections)



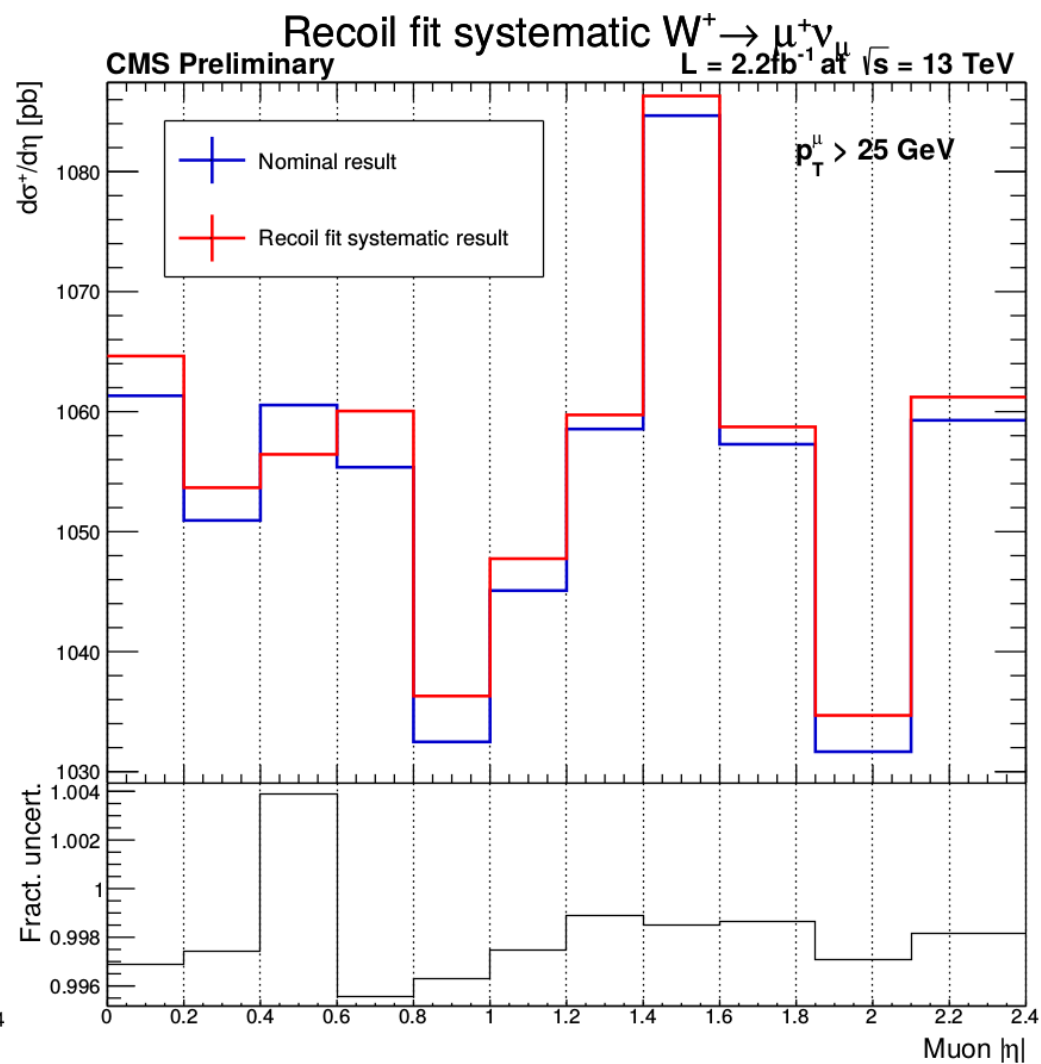
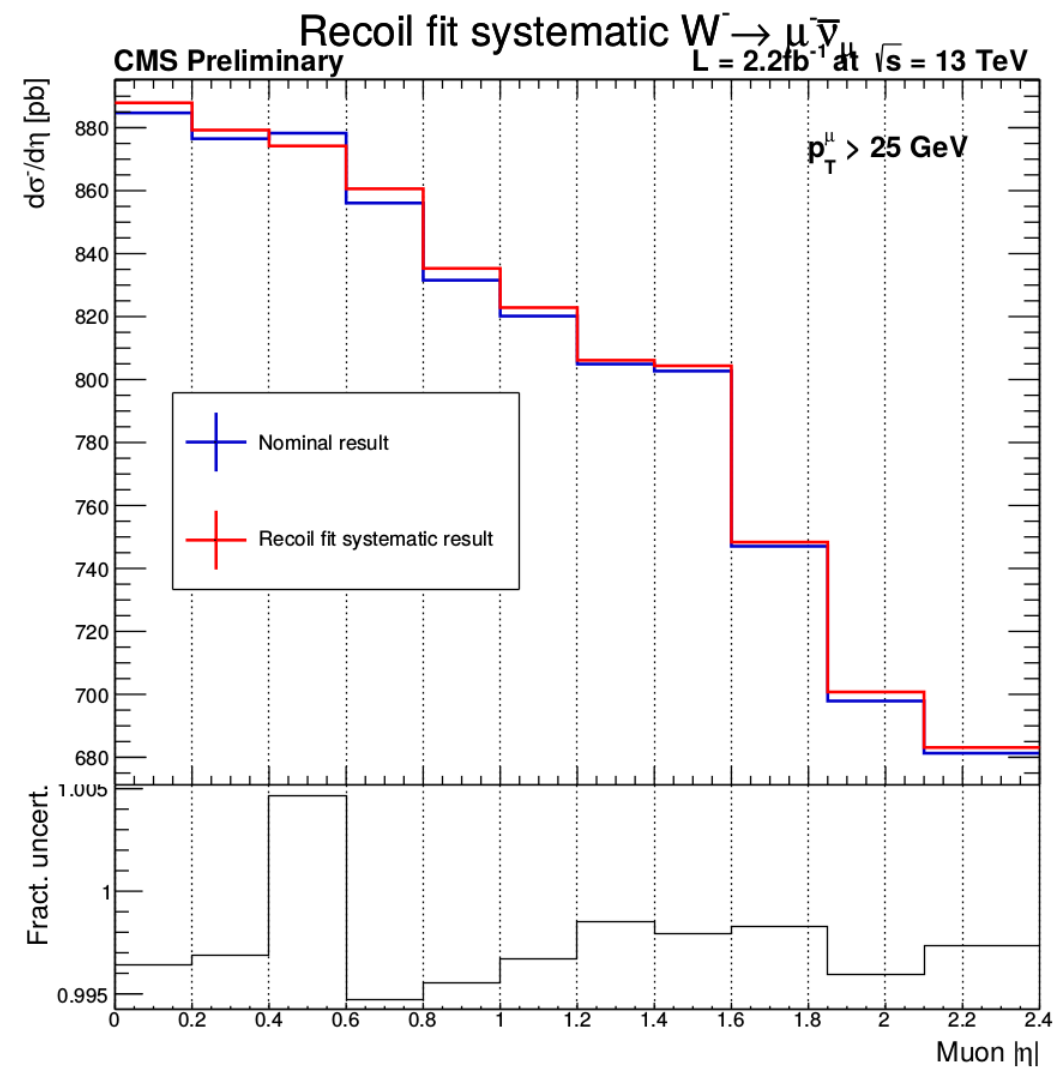
W signal extraction fit

- $R^{\text{QCD}}_{\pm}$ systematic (asymmetry)



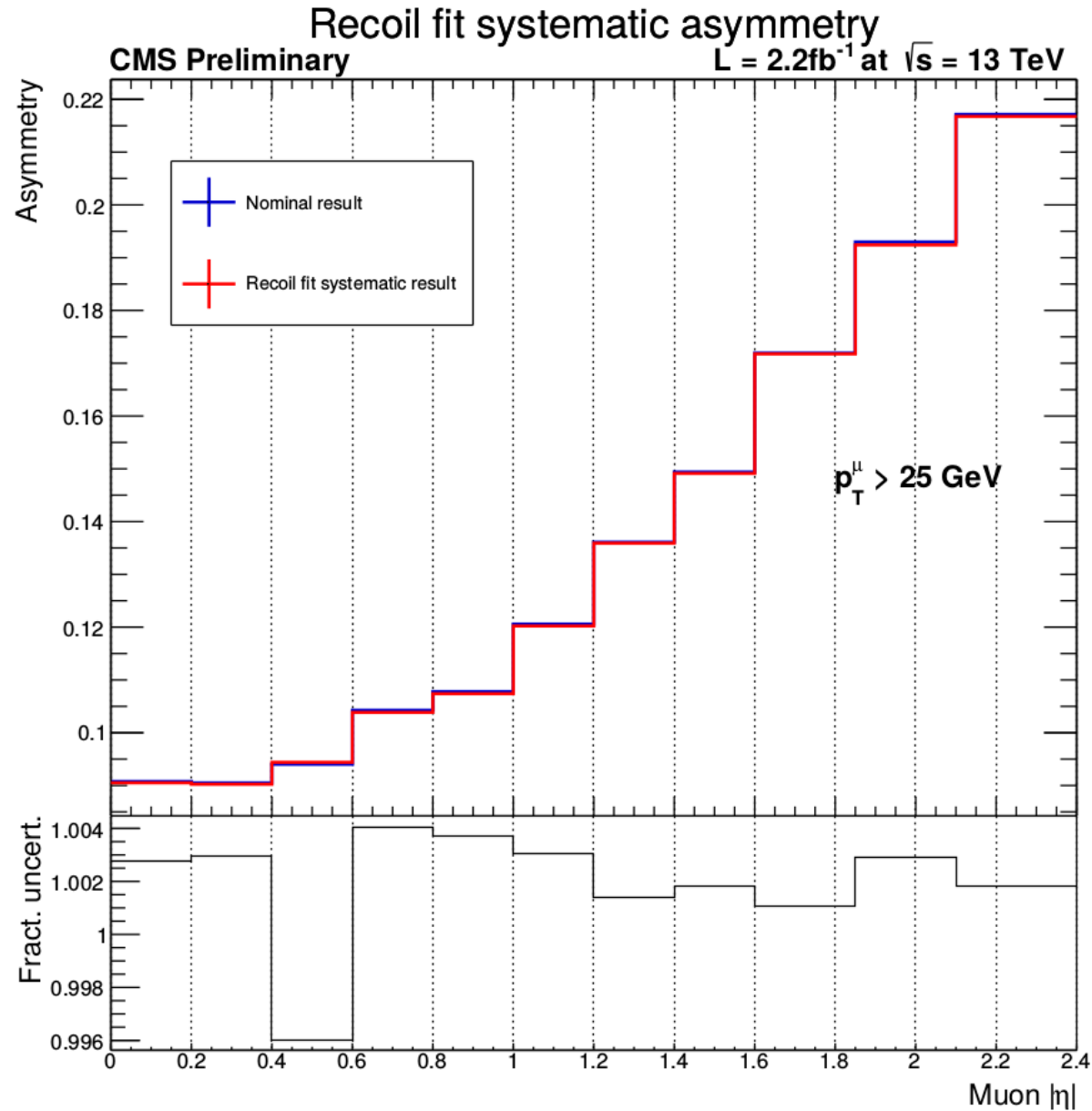
Missing E_T systematic

- Recoil fit systematic (diff .cross setions)



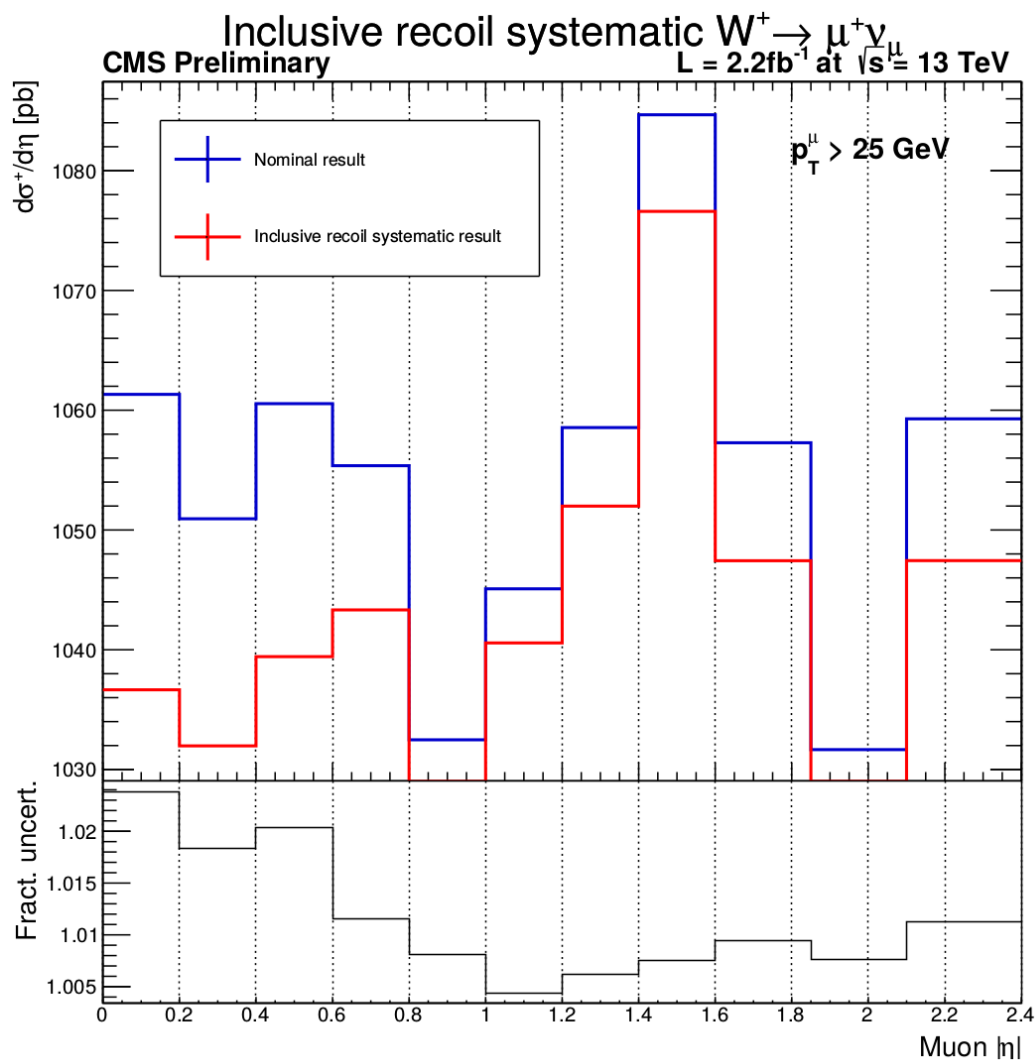
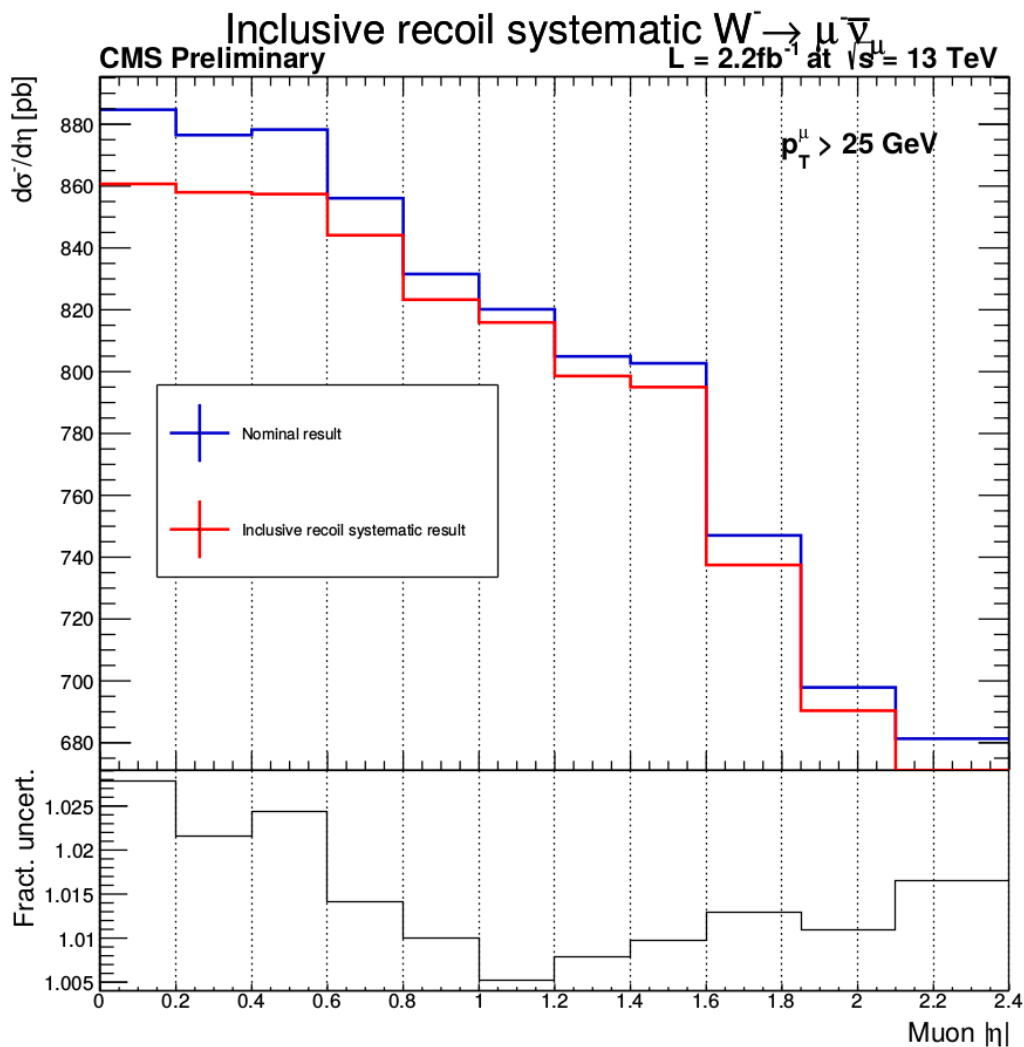
Missing E_T systematic

- Recoil fit systematic (asymmetry)



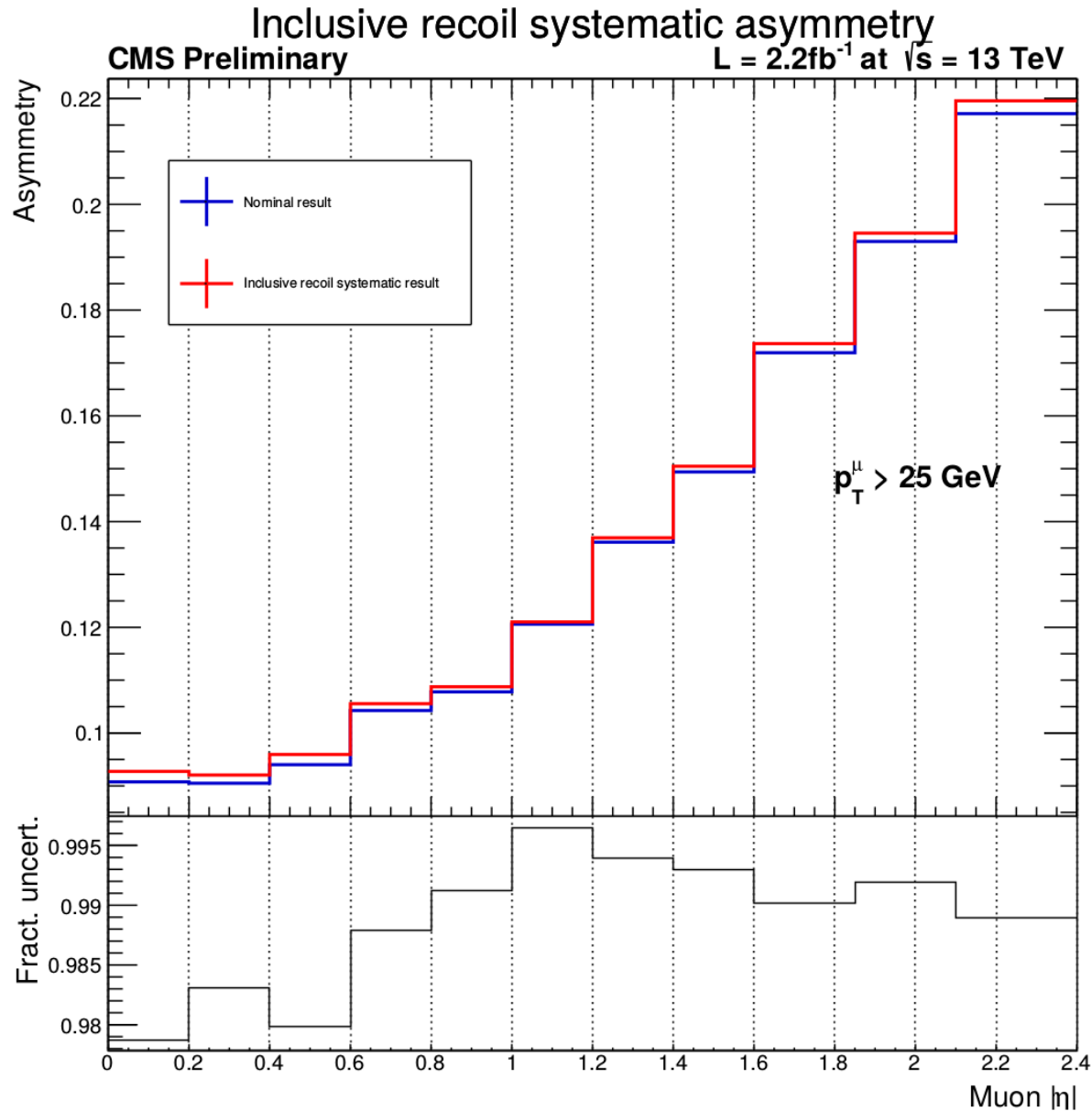
Missing E_T systematic

- Inclusive recoil systematic (diff .cross setions)



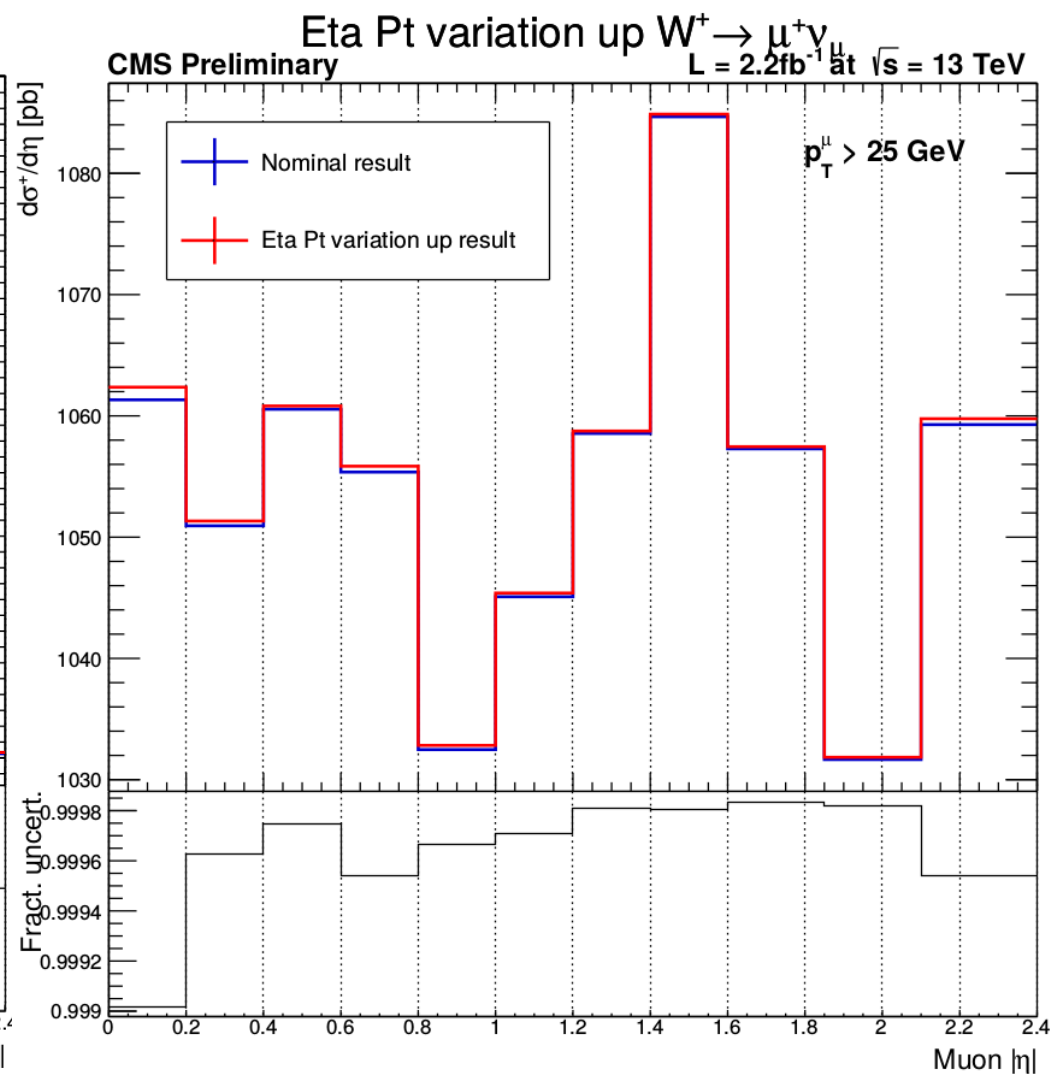
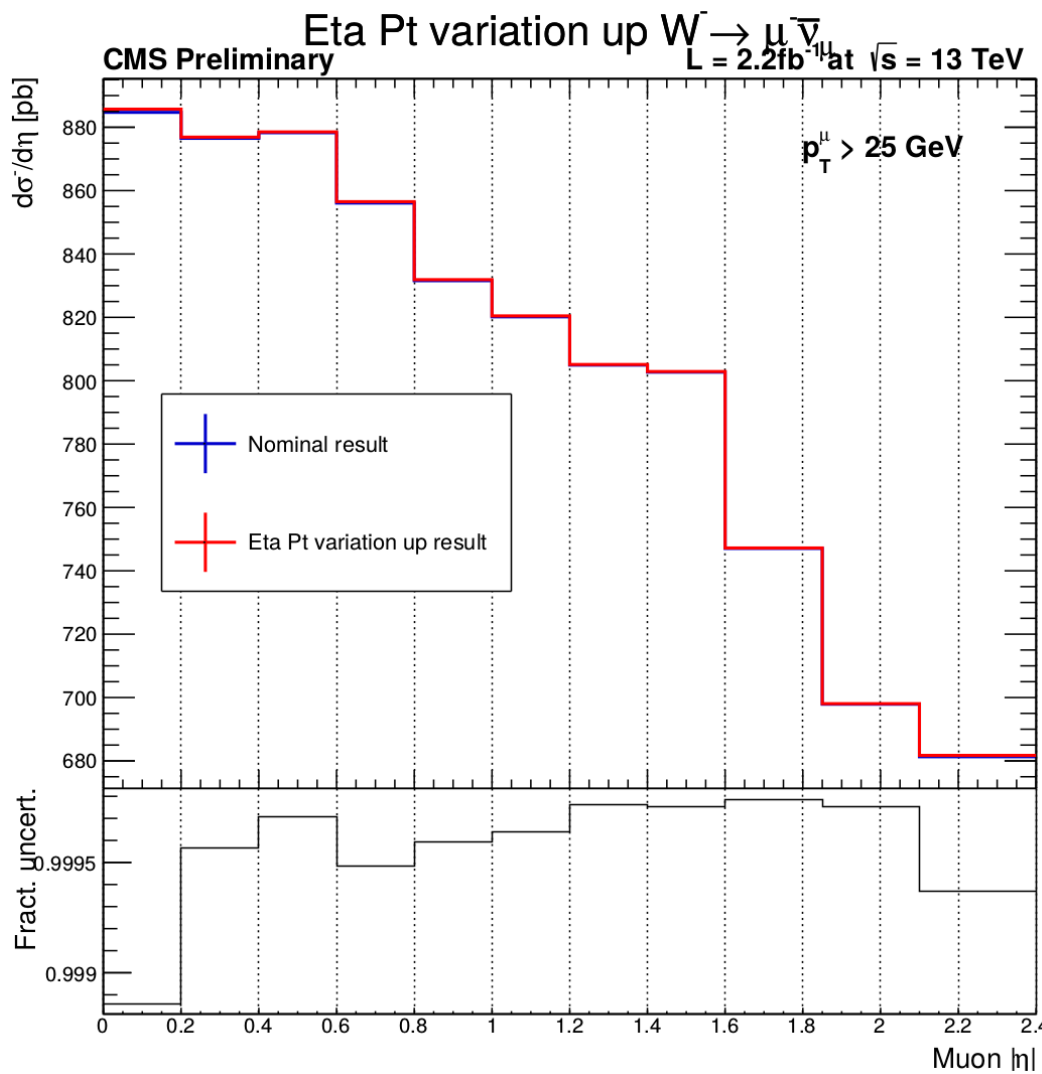
Missing E_T systematic

- Inclusive recoil systematic (asymmetry)



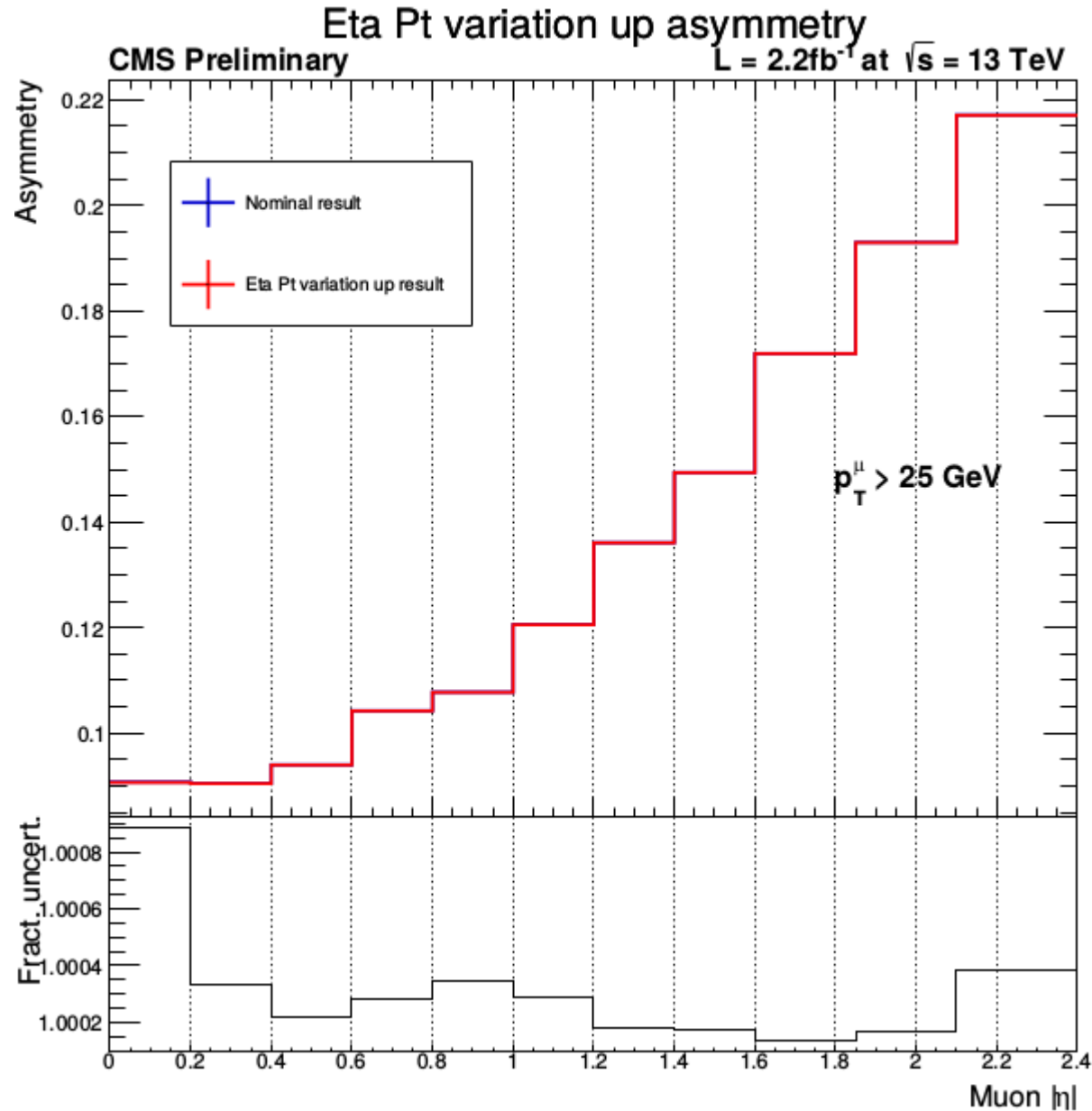
Selection efficiency systematic

- Eta Pt bins error variation Up (diff .cross setions)



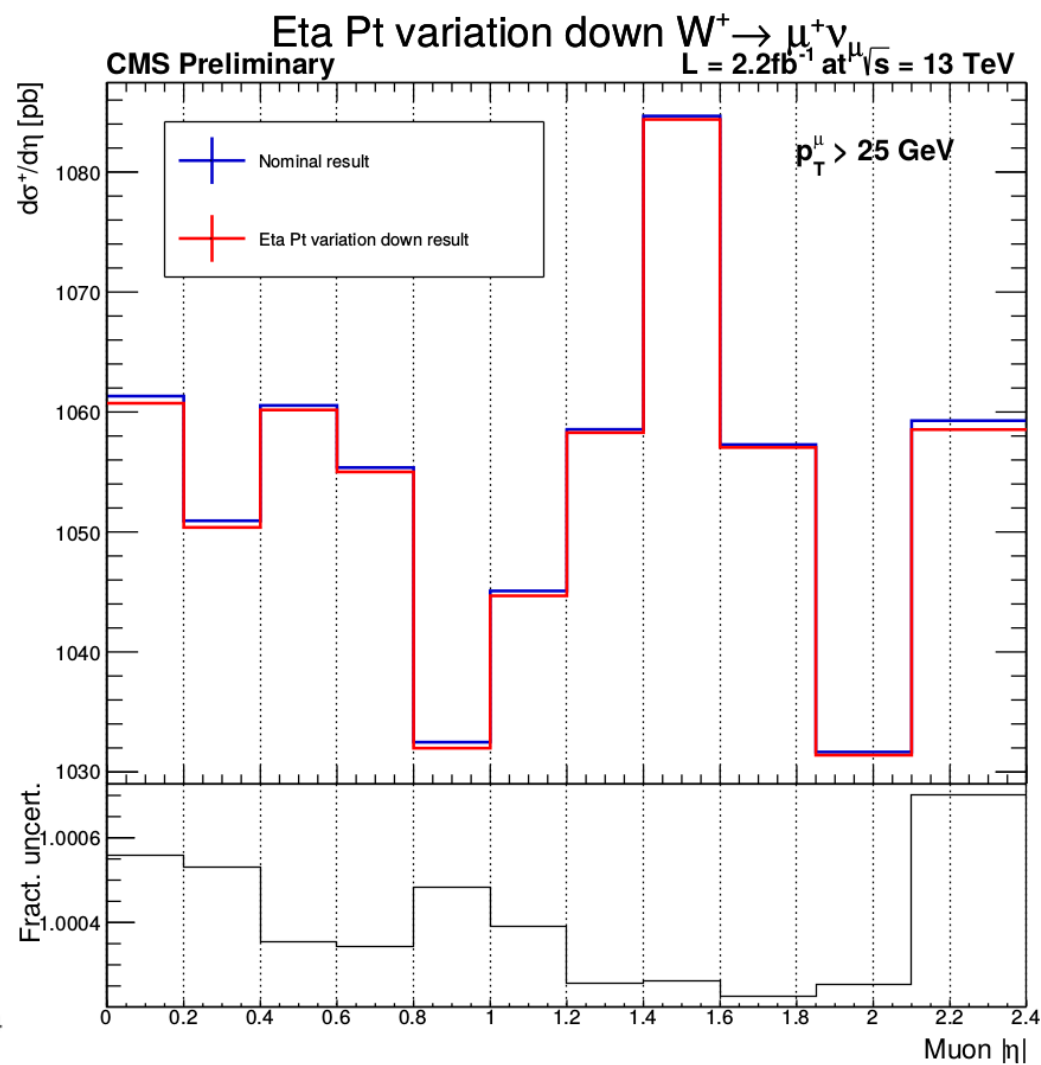
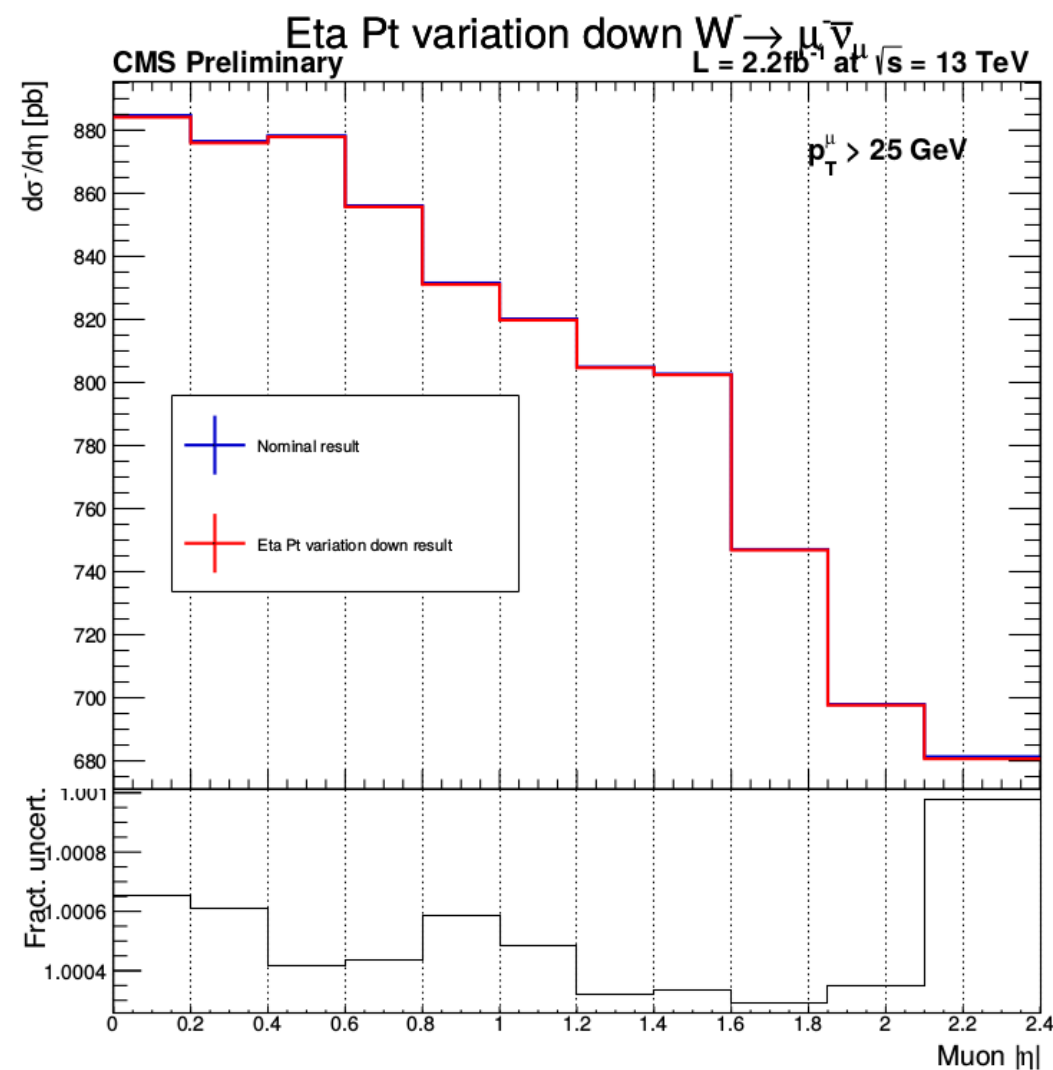
Selection efficiency systematic

- Eta Pt bins error variation Up (asymmetry)



Selection efficiency systematic

- Eta Pt bins error variation Down (diff .cross setions)



Selection efficiency systematic

- Eta Pt bins error variation Down (asymmetry)

