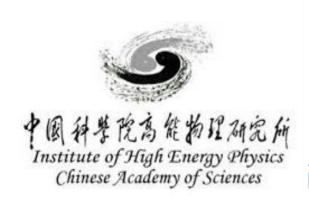
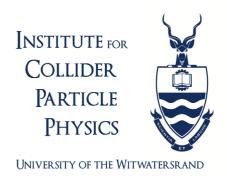
## MET systematic

Abdualazem Fadol

January 11, 2021

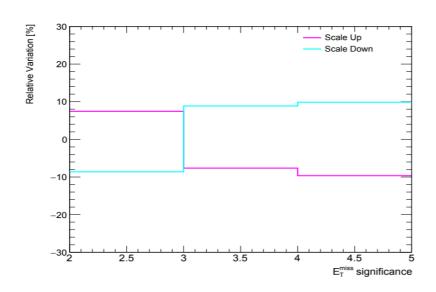


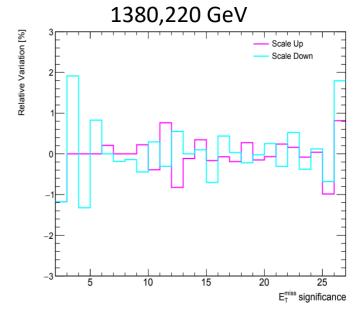


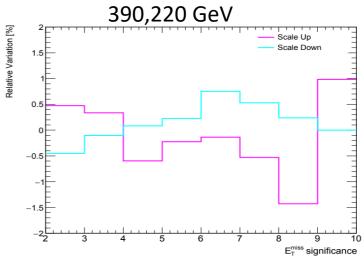


## **MET systematic**

- MET Track Soft Term (TST),
- which are parameterized as components parallel and perpendicular to the hard term.
- MET\_SoftTrk\_Scale
- MET\_SoftTrk\_ResoPara
- MET\_SoftTrk\_ResoPerp







## Theory systematic

- Trying to generate samples for the theory systematic
- PDF, QCD, and alpha\_s uncertainties
- But still have problem in the code
- The problem is on the signals
- Backgrounds samples are fine
- I managed to get some of the background samples