

Who are we?

- Abideh Jafari, physics faculty member of IUT, longstanding experience in top quark physics
- Zohreh Bahariyoon, starting master student, gaining experience in coding



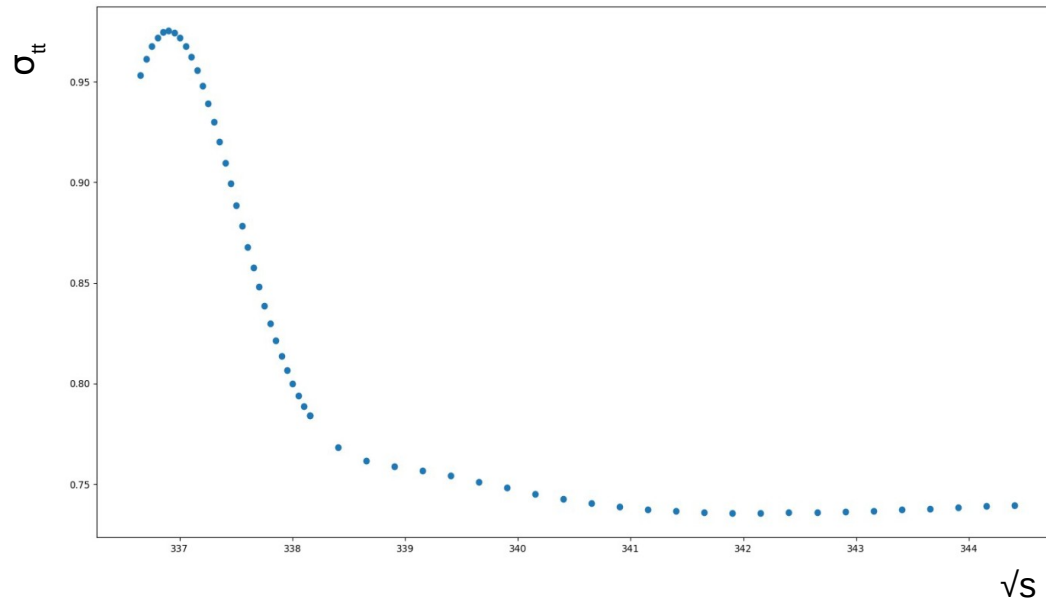
Our plan

- Simultaneous extraction of top mass and width from threshold scan¹
 - Cross section determination of $t\bar{t}$ at different \sqrt{s} (dileptonic)
 - Designing the fit (first stage: one POI)
- Ready to collaborate with others
 - Can contribute to efficiency determination, etc. along the way

¹This will be Zohre's master thesis

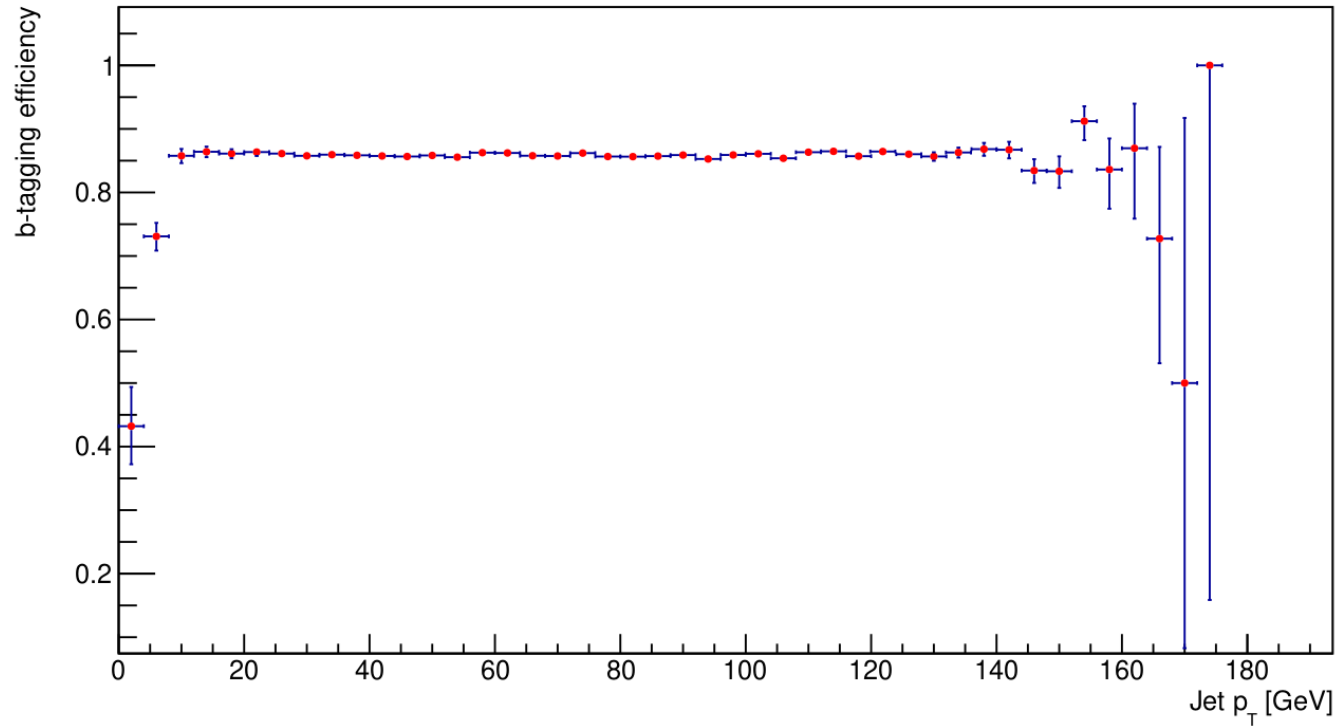
Status

- Acquired experience with $Q_{\text{qbarThreshold}}$
 - Can be used as a reference or cross check for the analysis results



Status (II)

- Started analyzing leading order FCC samples



Status (III)

- Whizard: managed to run Marcel's code and produce trees from LHE.
 - The evx file is a new format to us. How to read?

