

CALORIMETER RESPONSE VS. GEANT4 VERSIONS/CONFIGURATION

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GEANT VERSIONS/PHYSICS SETTINGS

- Geant4.10.**02**.p02
 - **ftfp_bert_hp** (default)
 - qgsp_bert_hp
- Geant4.10.**05**.p01
 - ftfp_bert_hp
- Geant4.10.**06**
 - ftfp_bert_hp
 - ftfp_inclxx_hp

4GeV Pion simulation: 5 different GEANT4 configurations
**Data shown only for $\eta=0.01$

FTF:

Fritiof String Model

QGS:

Quark Gluon String Model

BERT:

Bertini Style Cascade

P:

G4Precompound model

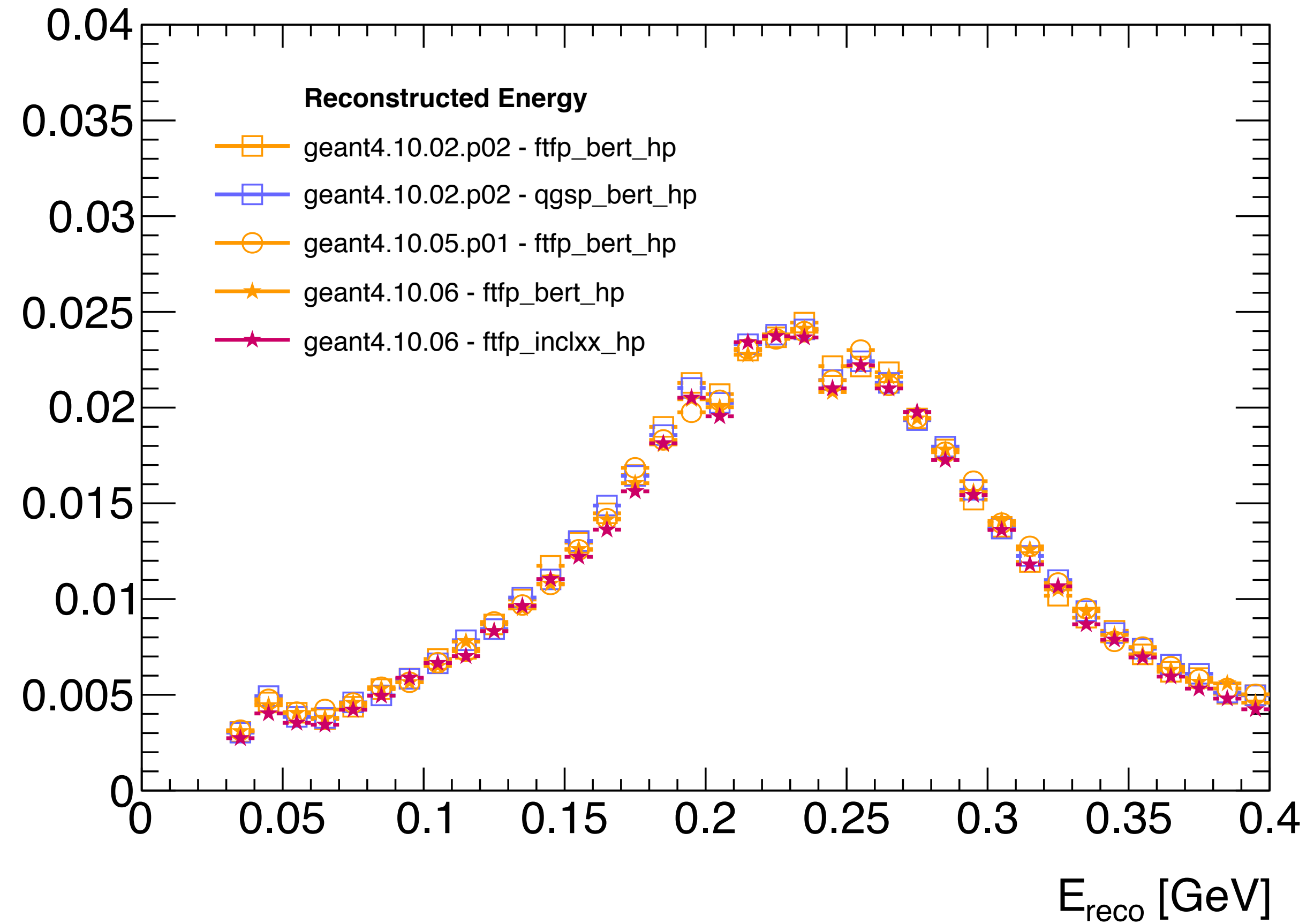
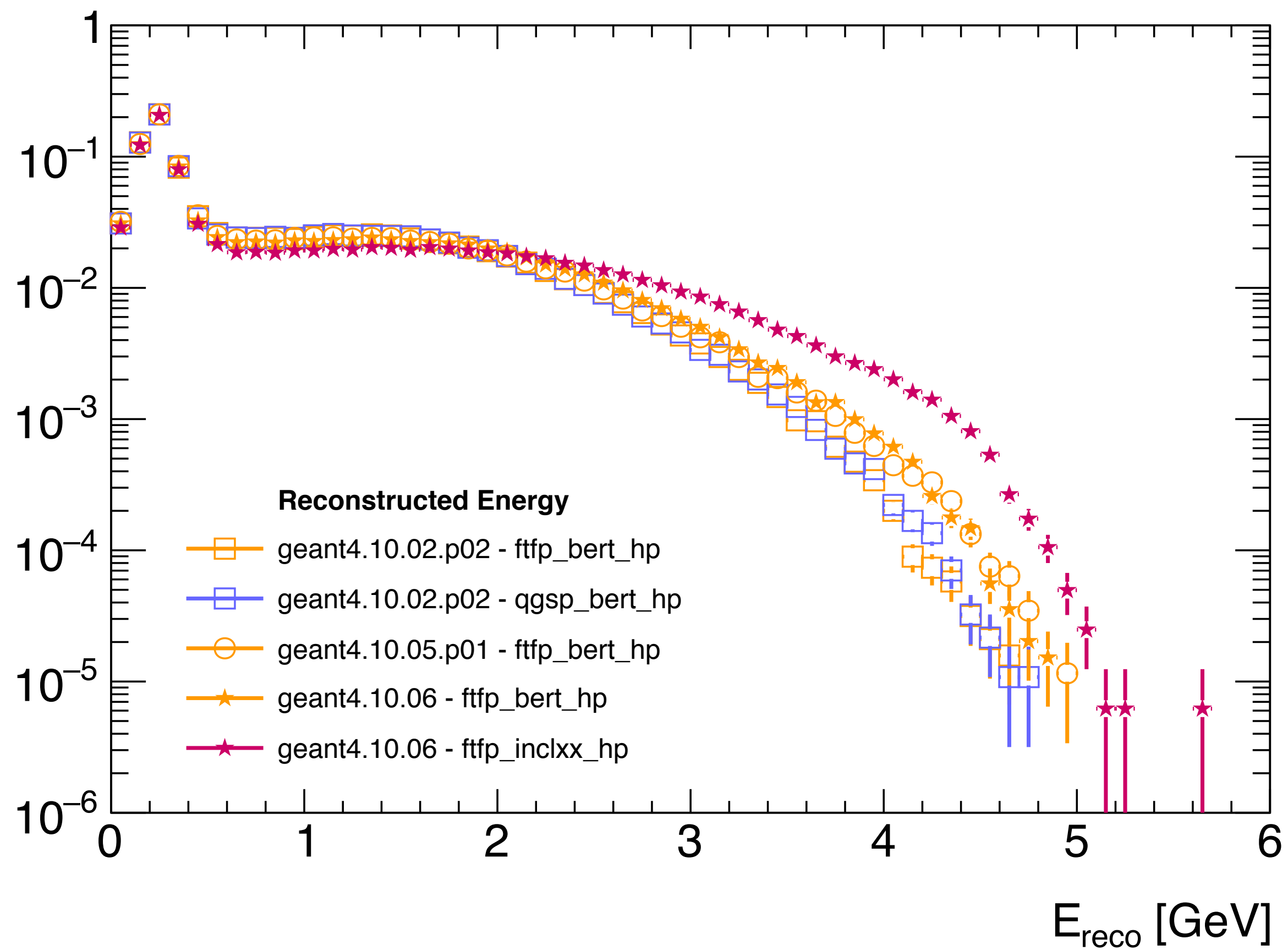
HP:

High Precision Neutron
Model

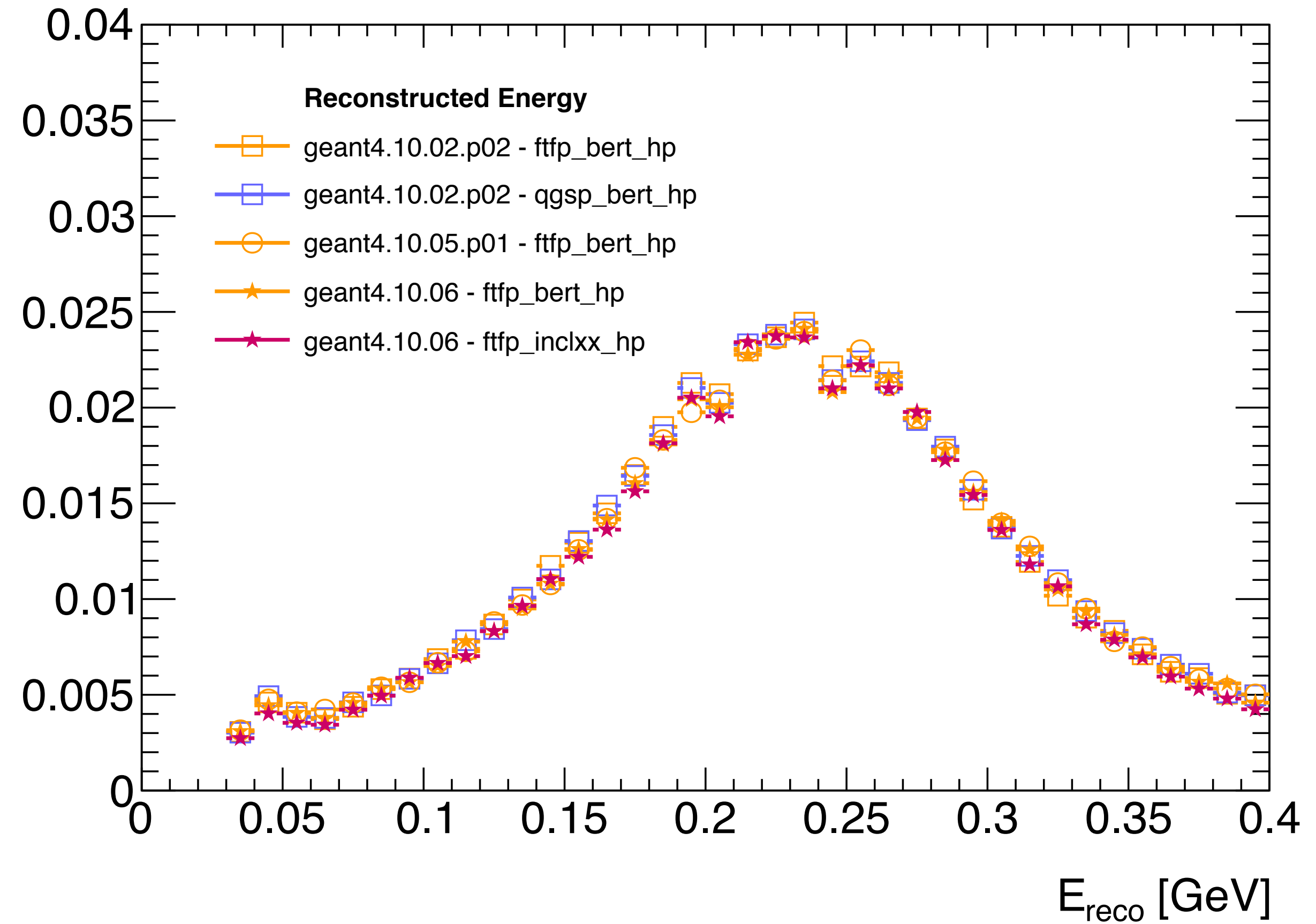
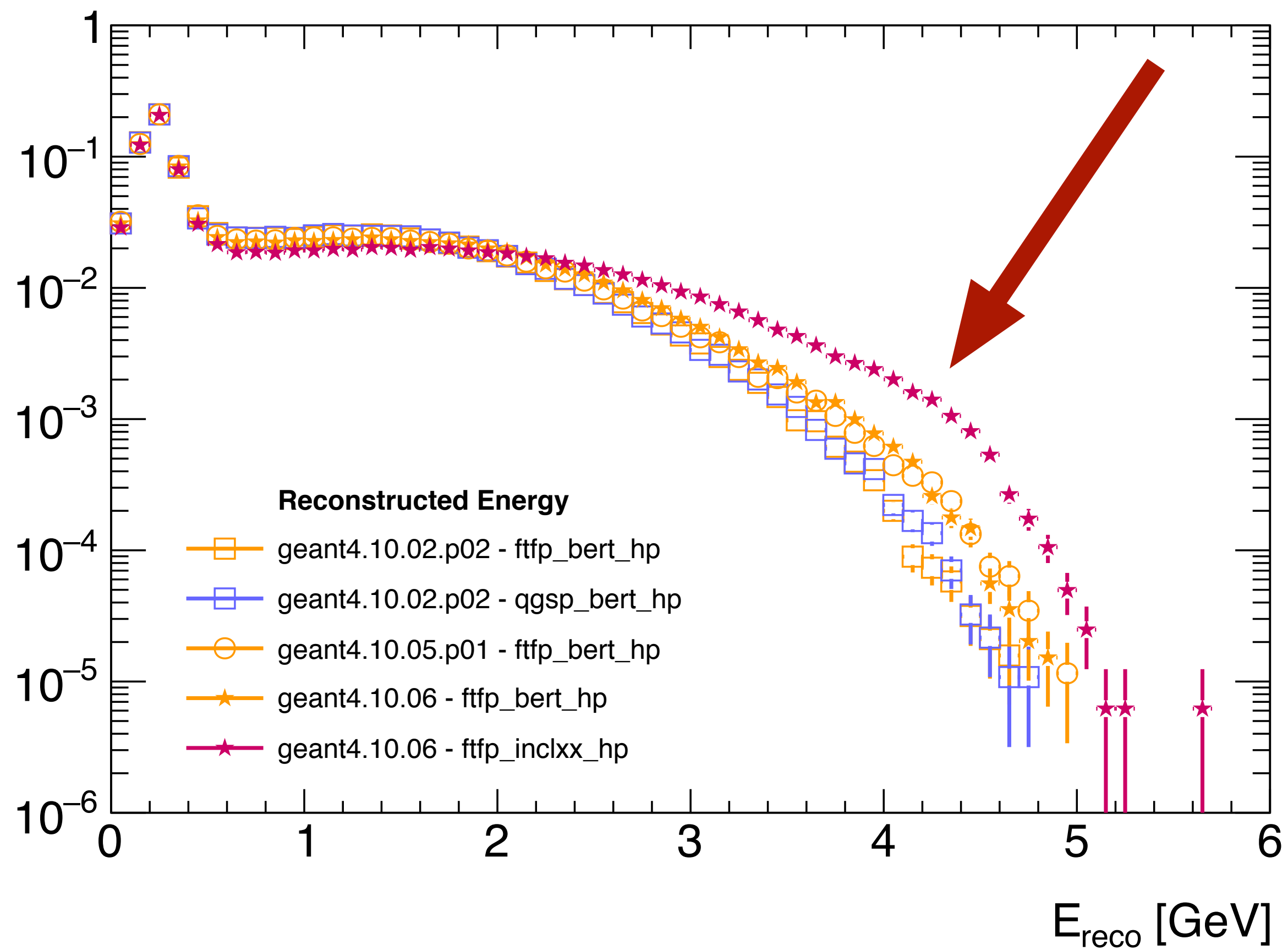
INCLXX:

Liege Model

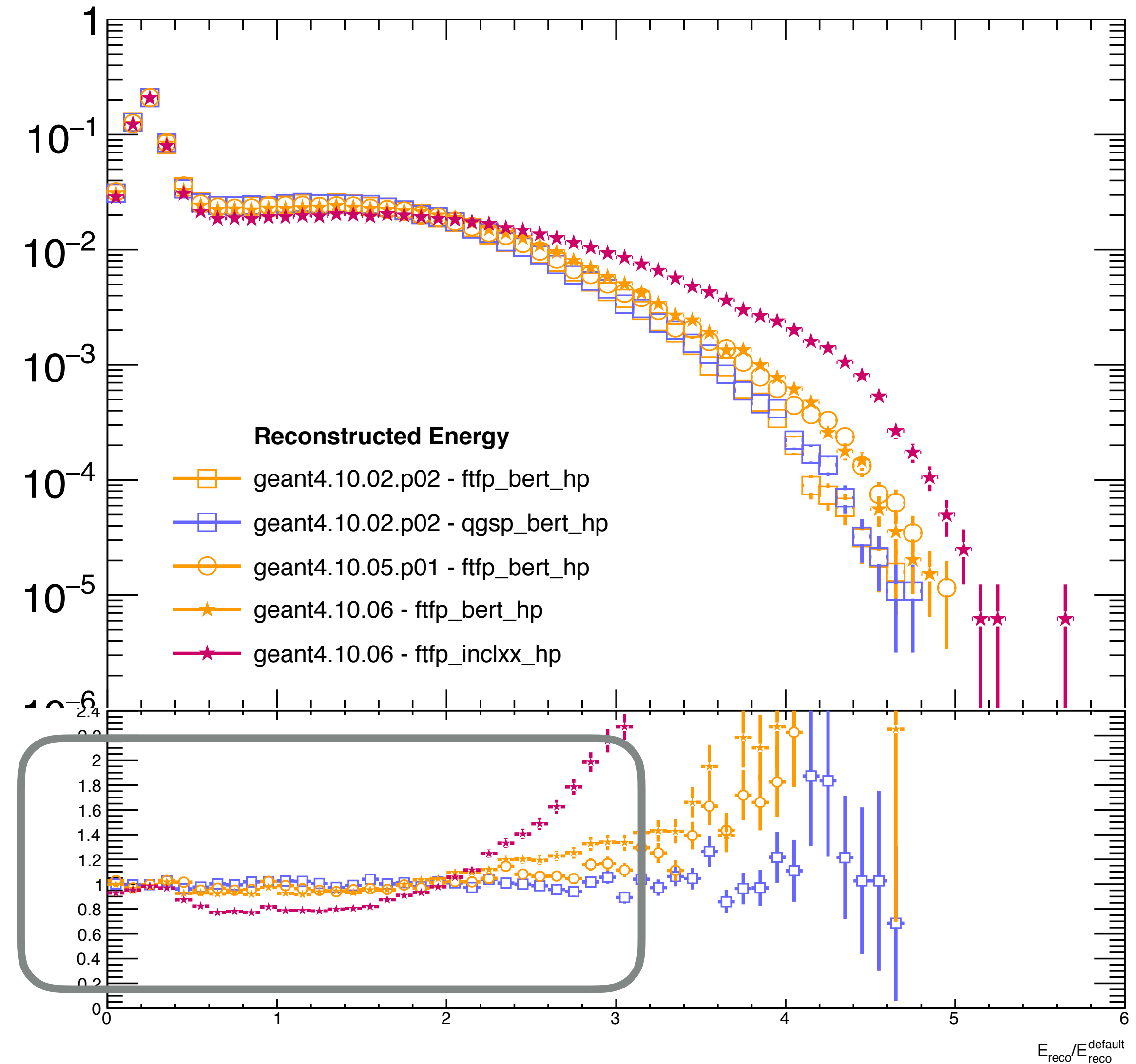
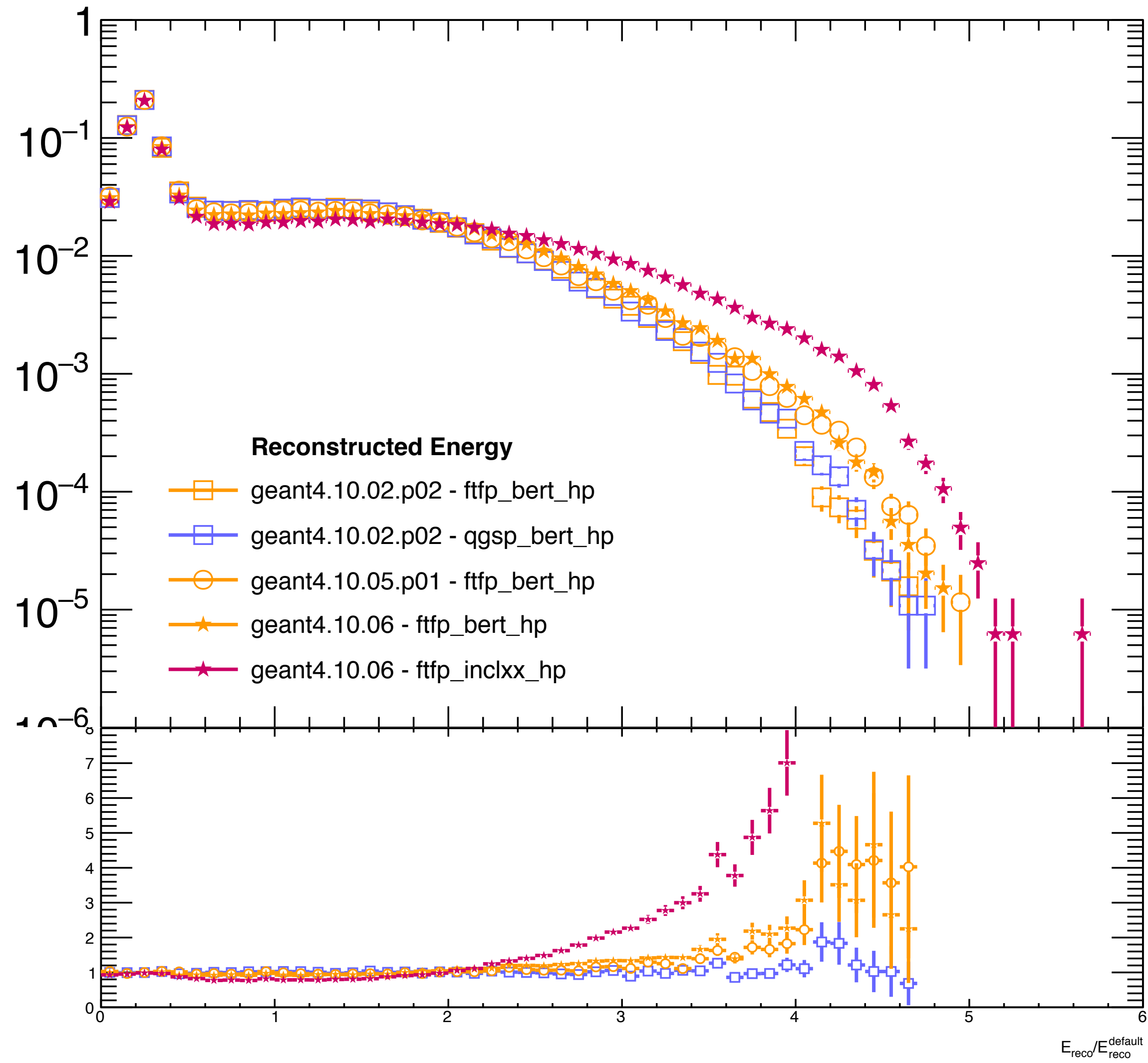
RECONSTRUCTED ENERGY



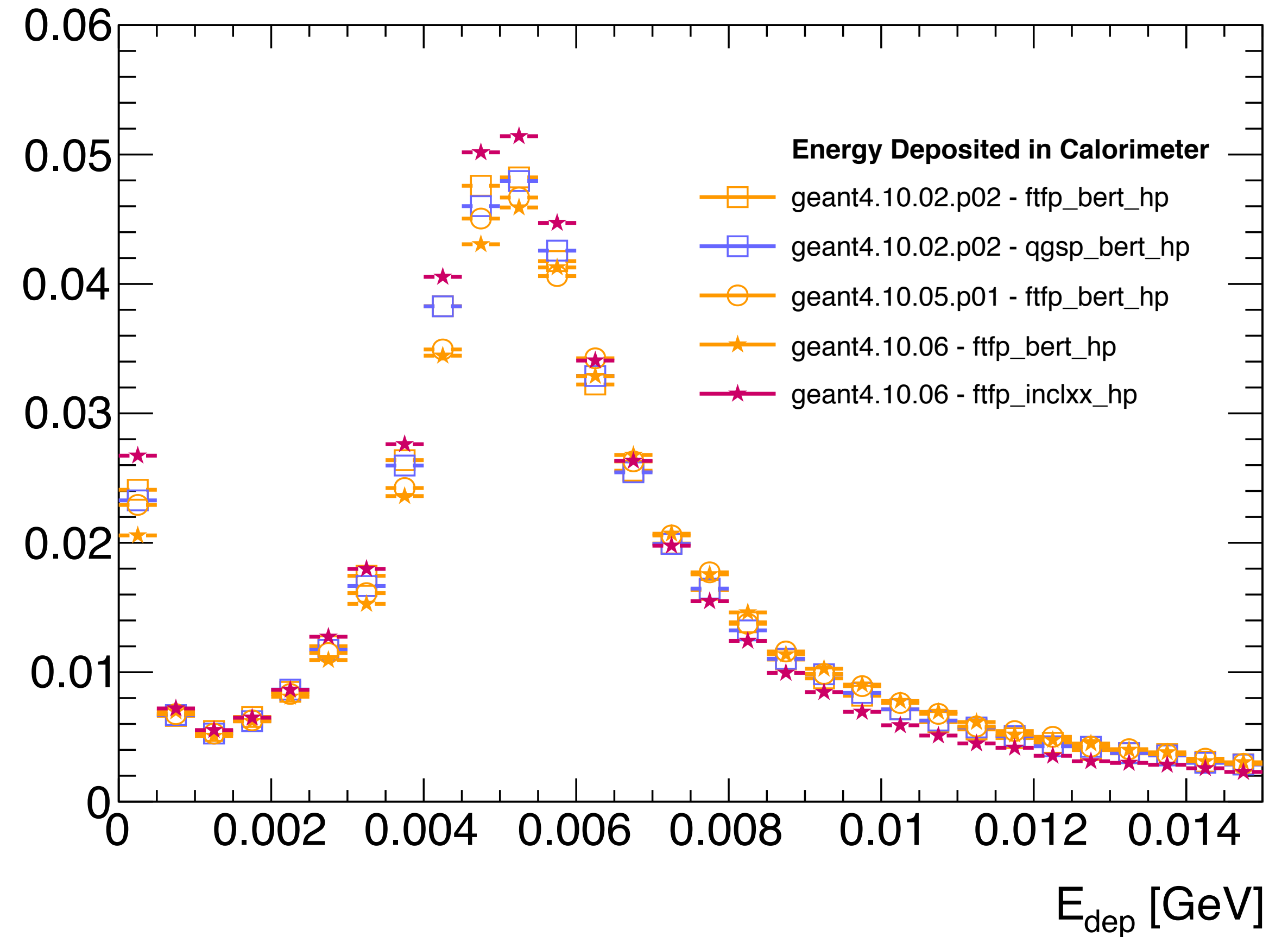
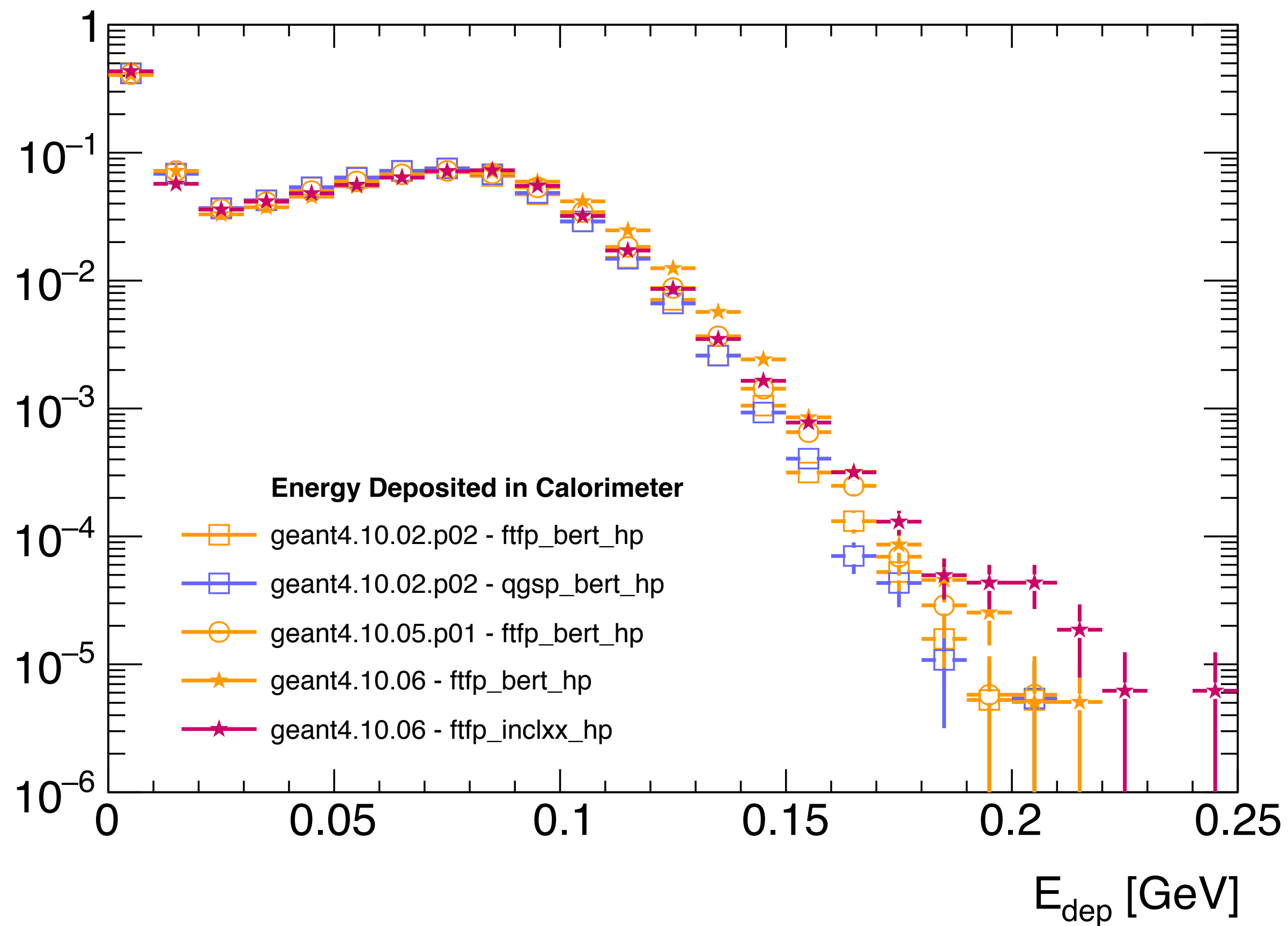
RECONSTRUCTED ENERGY



RECONSTRUCTED ENERGY



ENERGY DEPOSITED IN CEMC



DEPOSITED ENERGY

