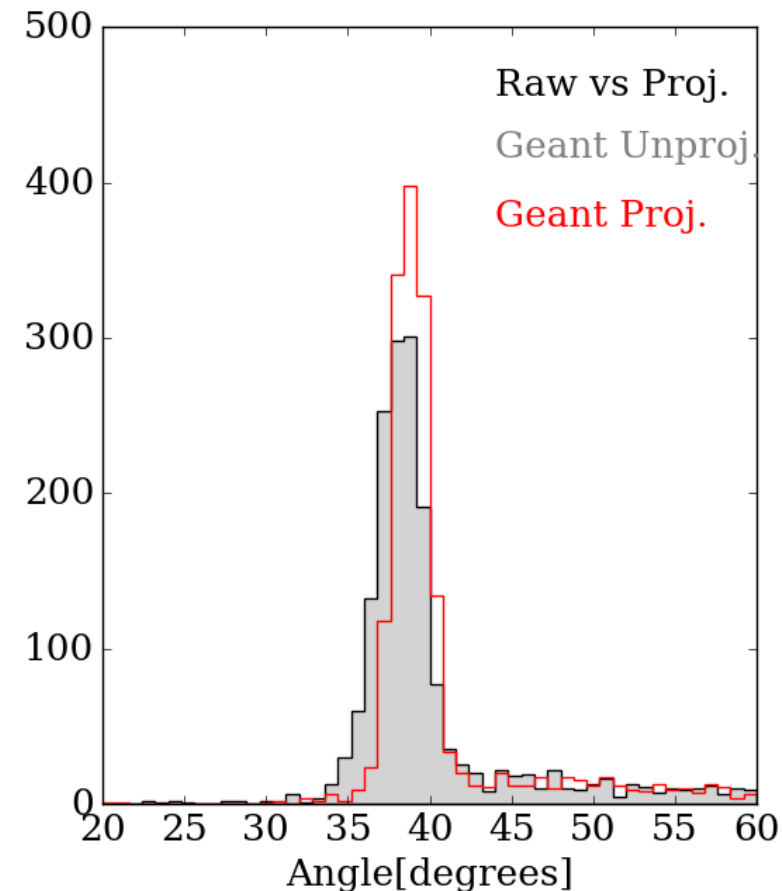
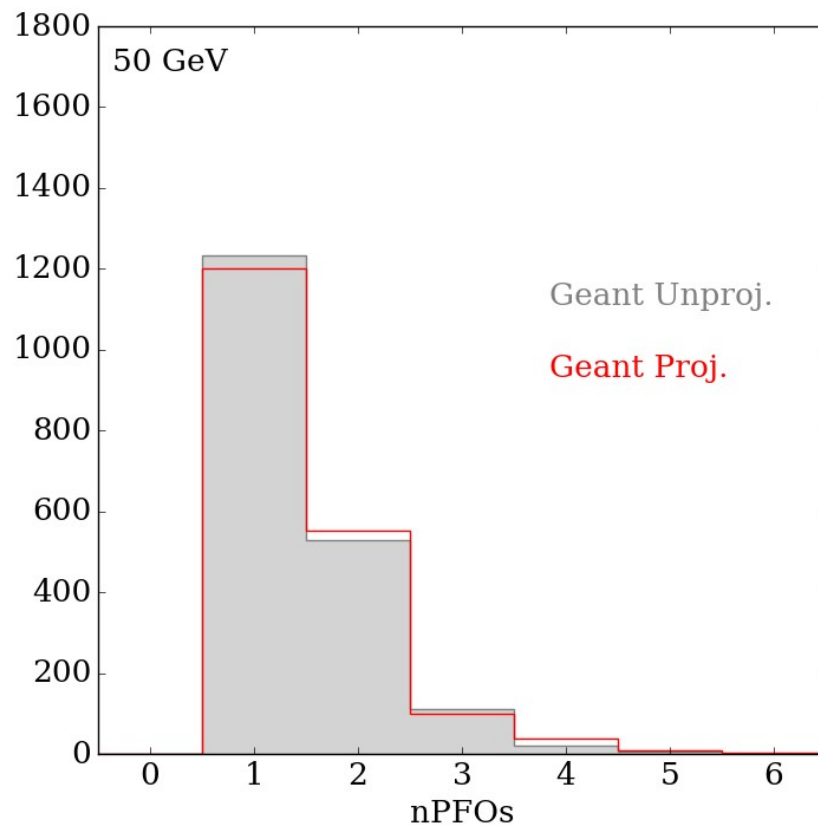
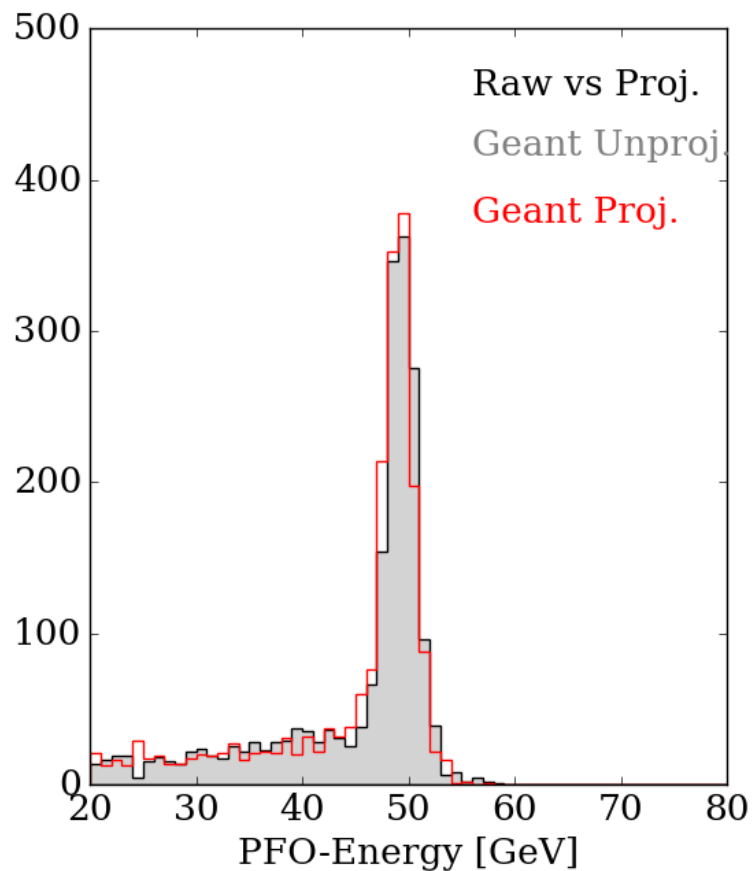


Angular Photons Reconstruction

10.11.2022

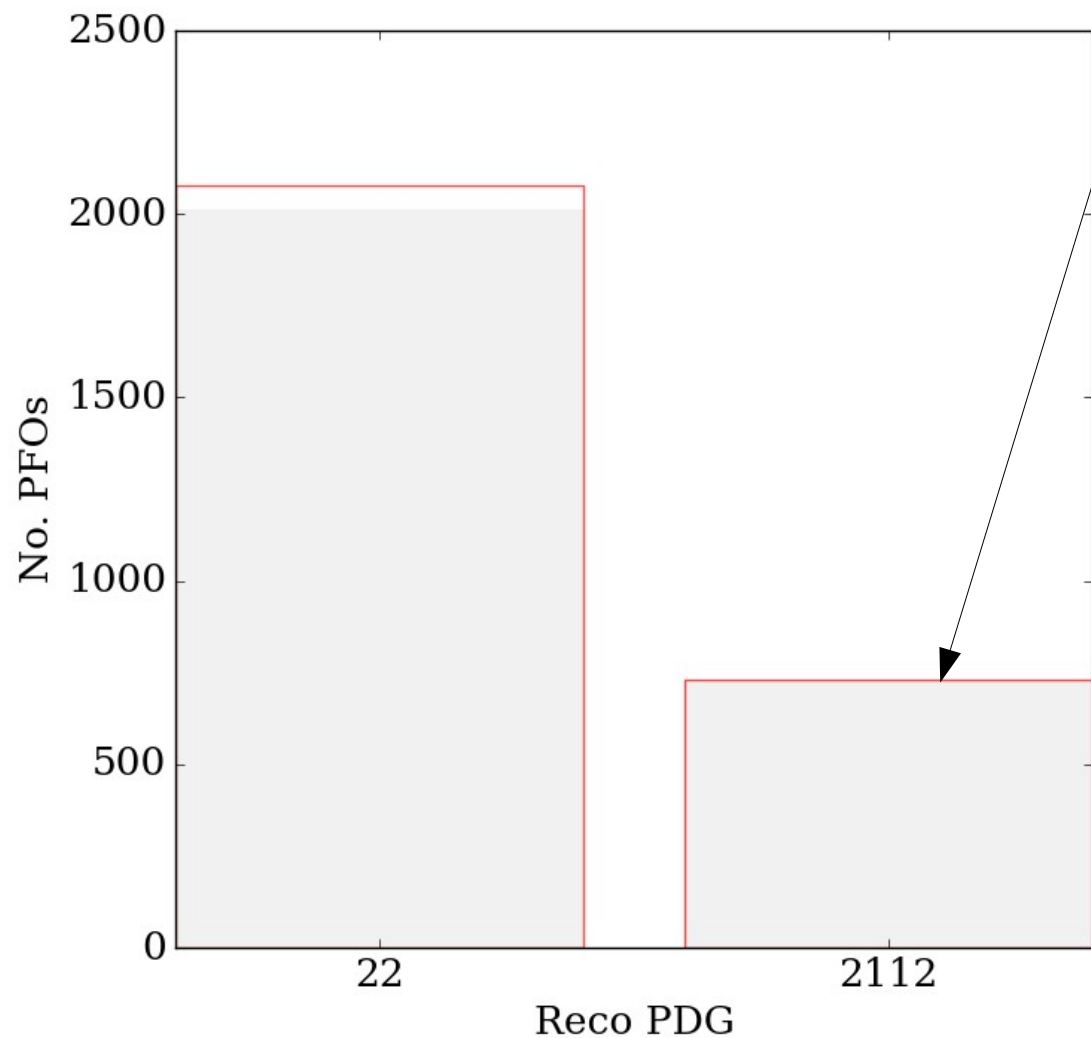
The question: PFO tails- a result of projection?

Cut at npfo = 6

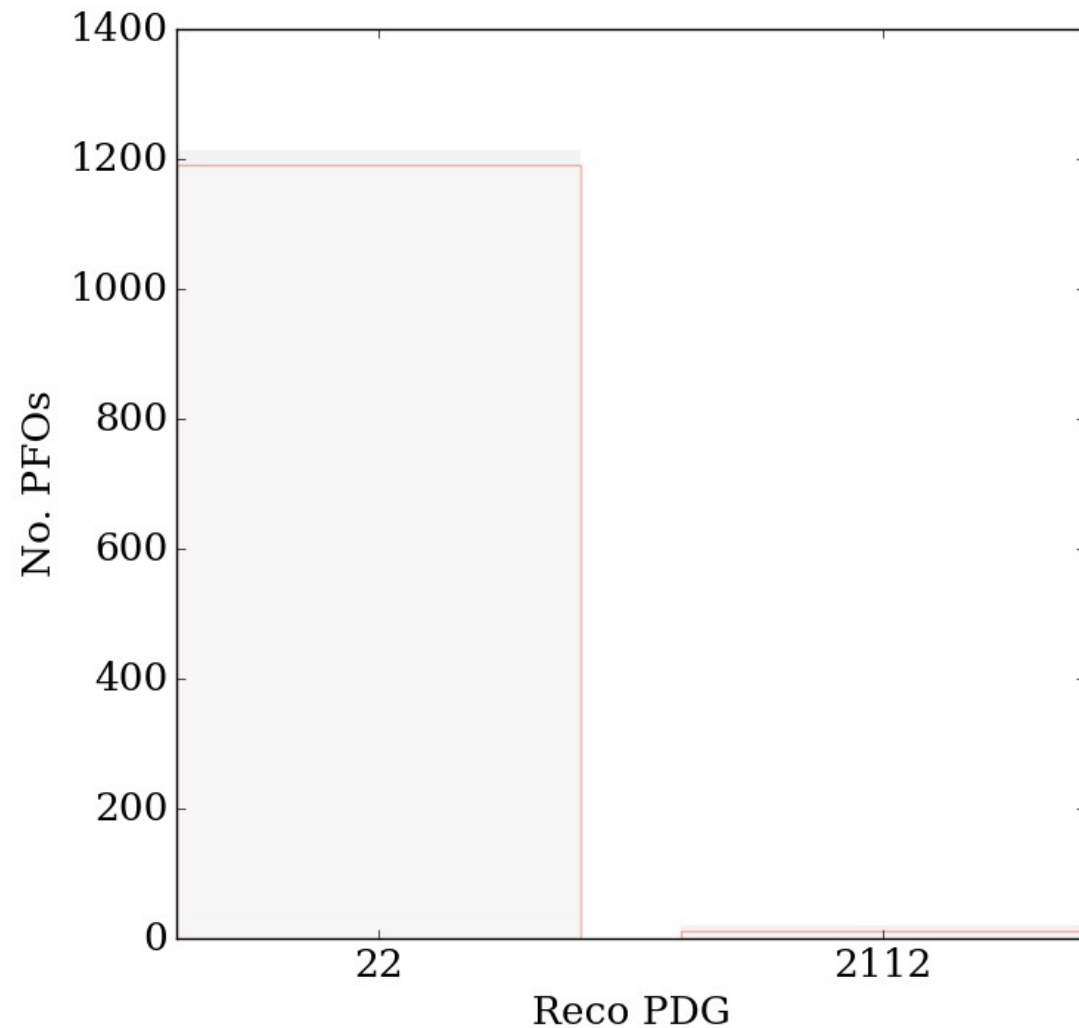


What's up with all the secondaries?

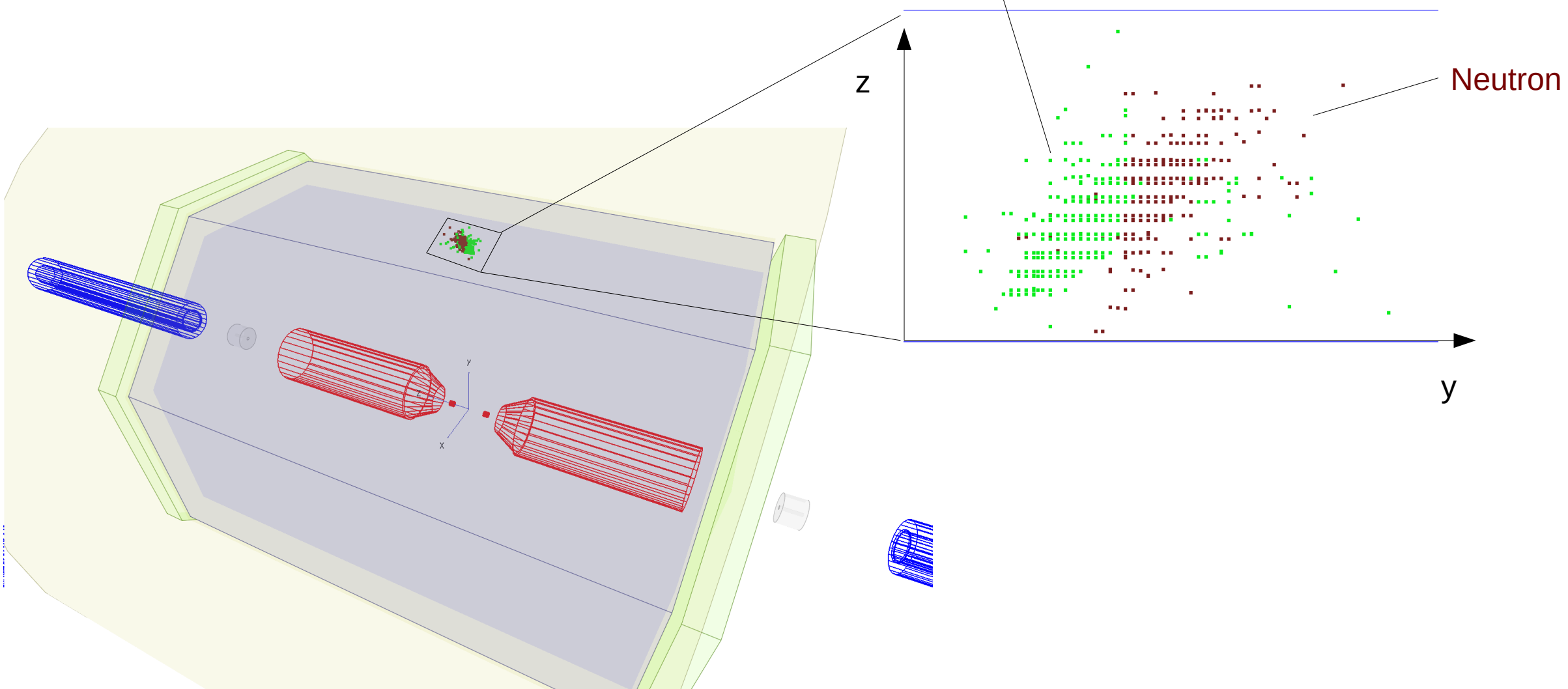
Cut at npfo = 6



Cut at npfo = 1

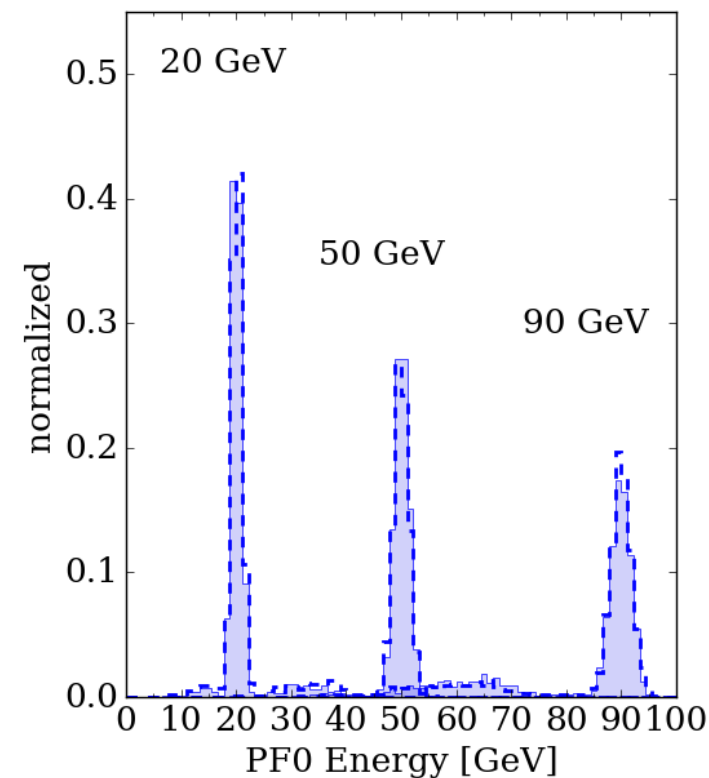
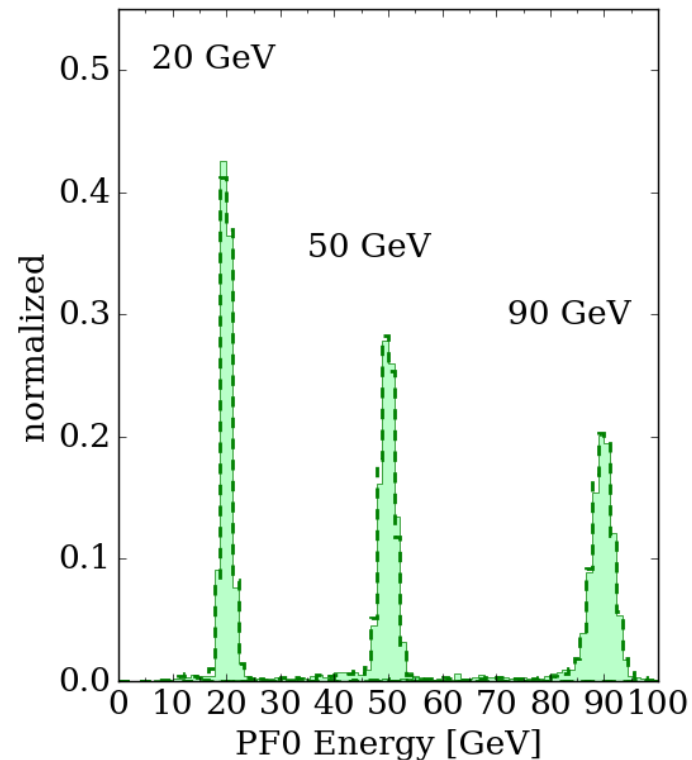
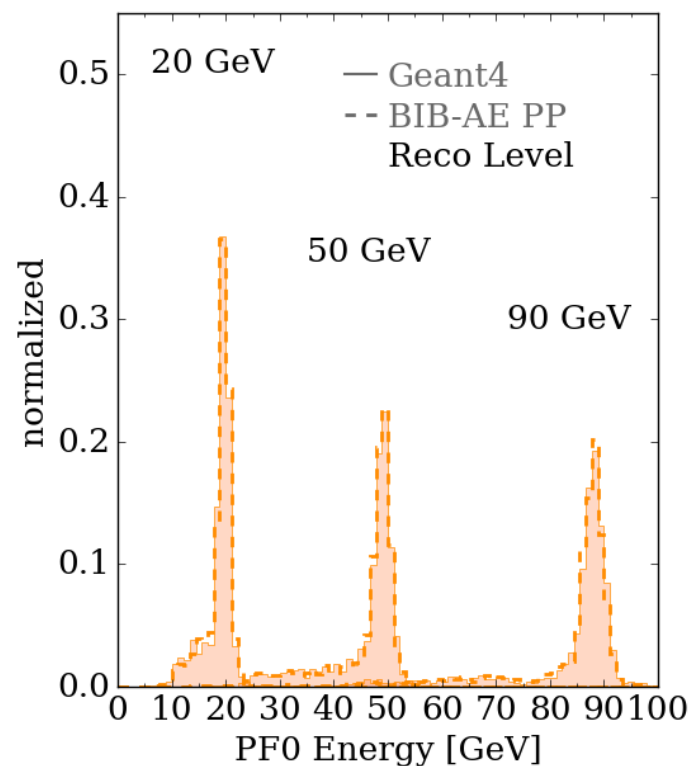


Event Displays



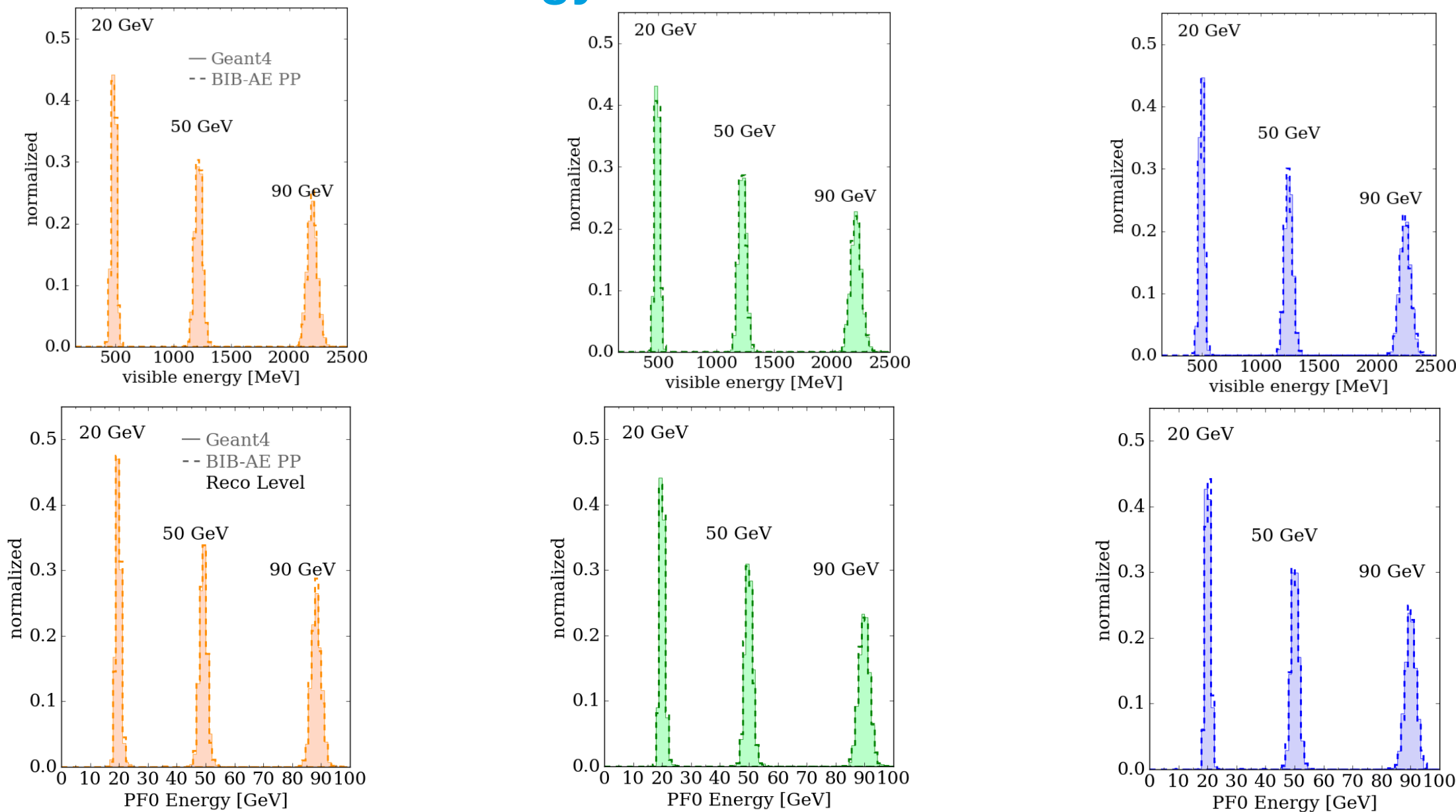
Results: Visible Energy Sum (leading pfo)

Cut on leading pfo



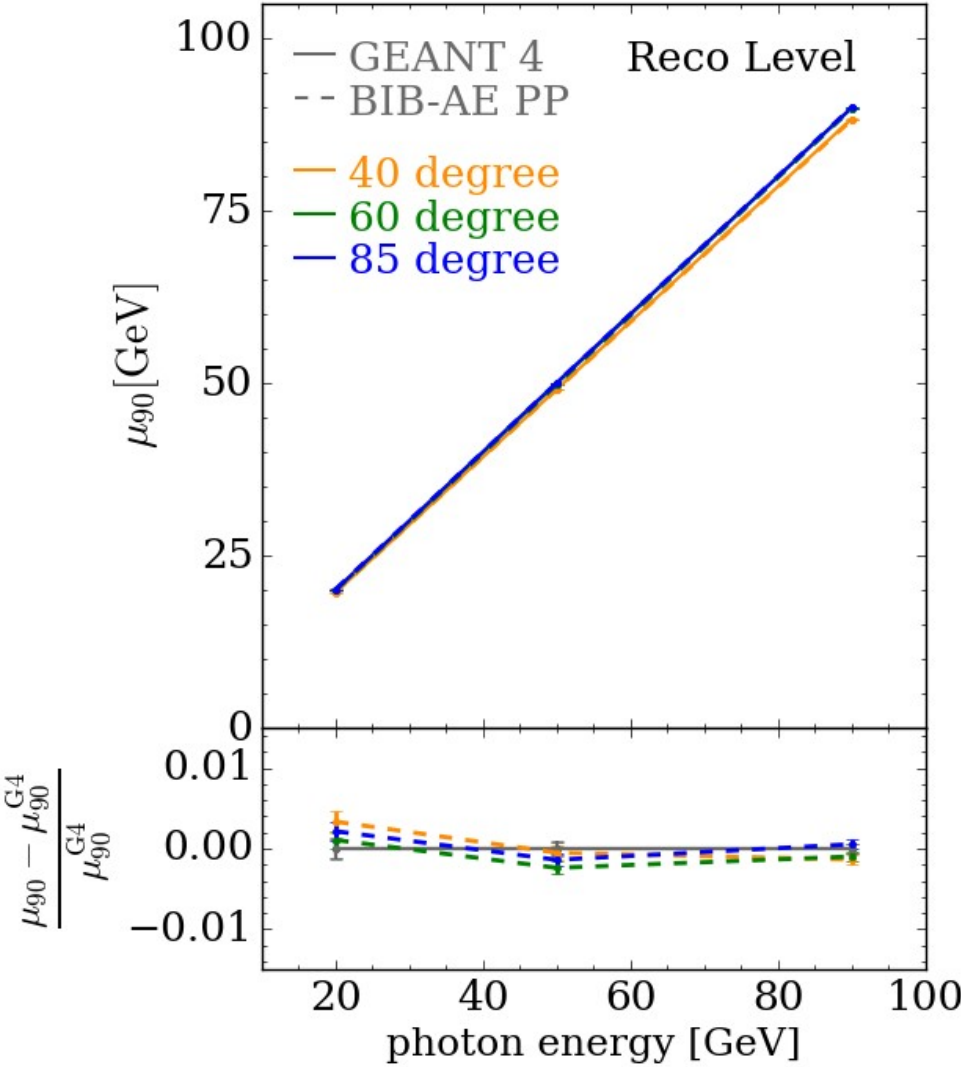
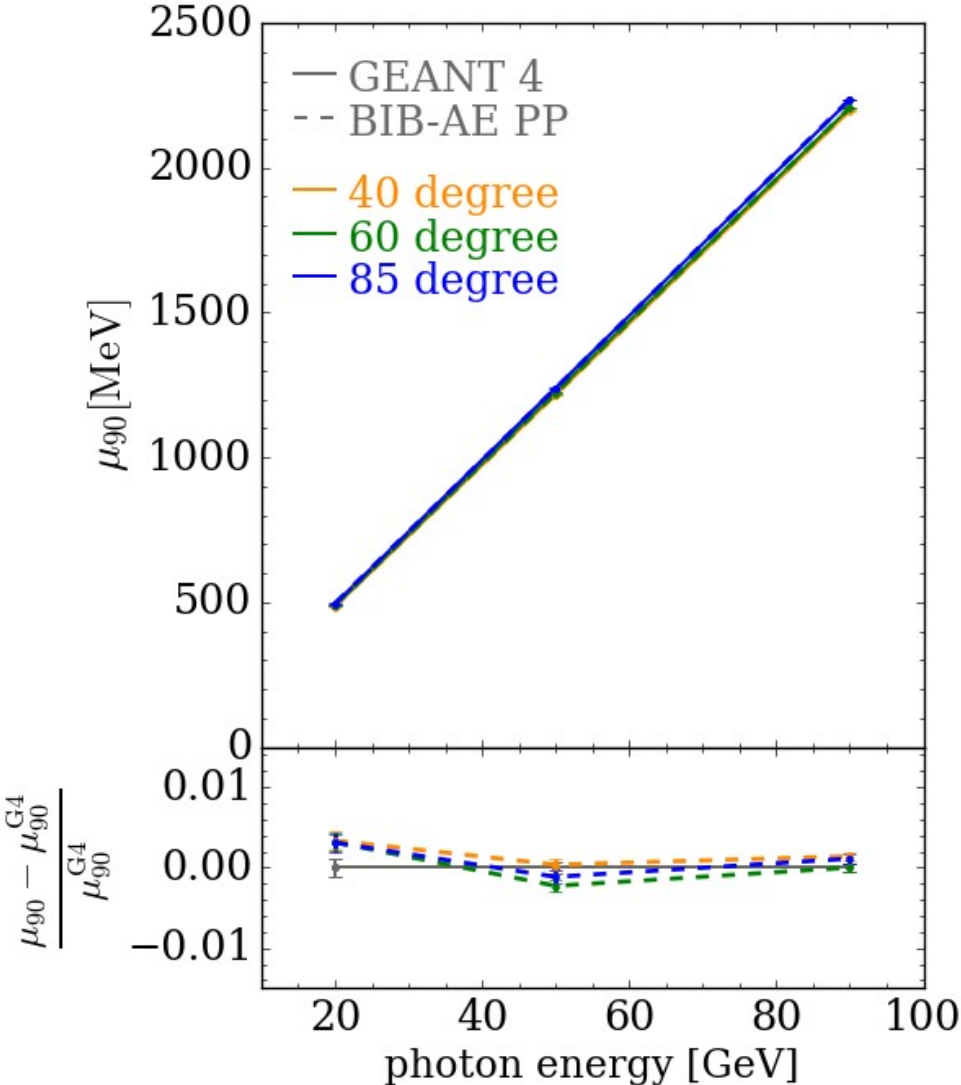
Results: Visible Energy Sum

Cut at npfo = 1



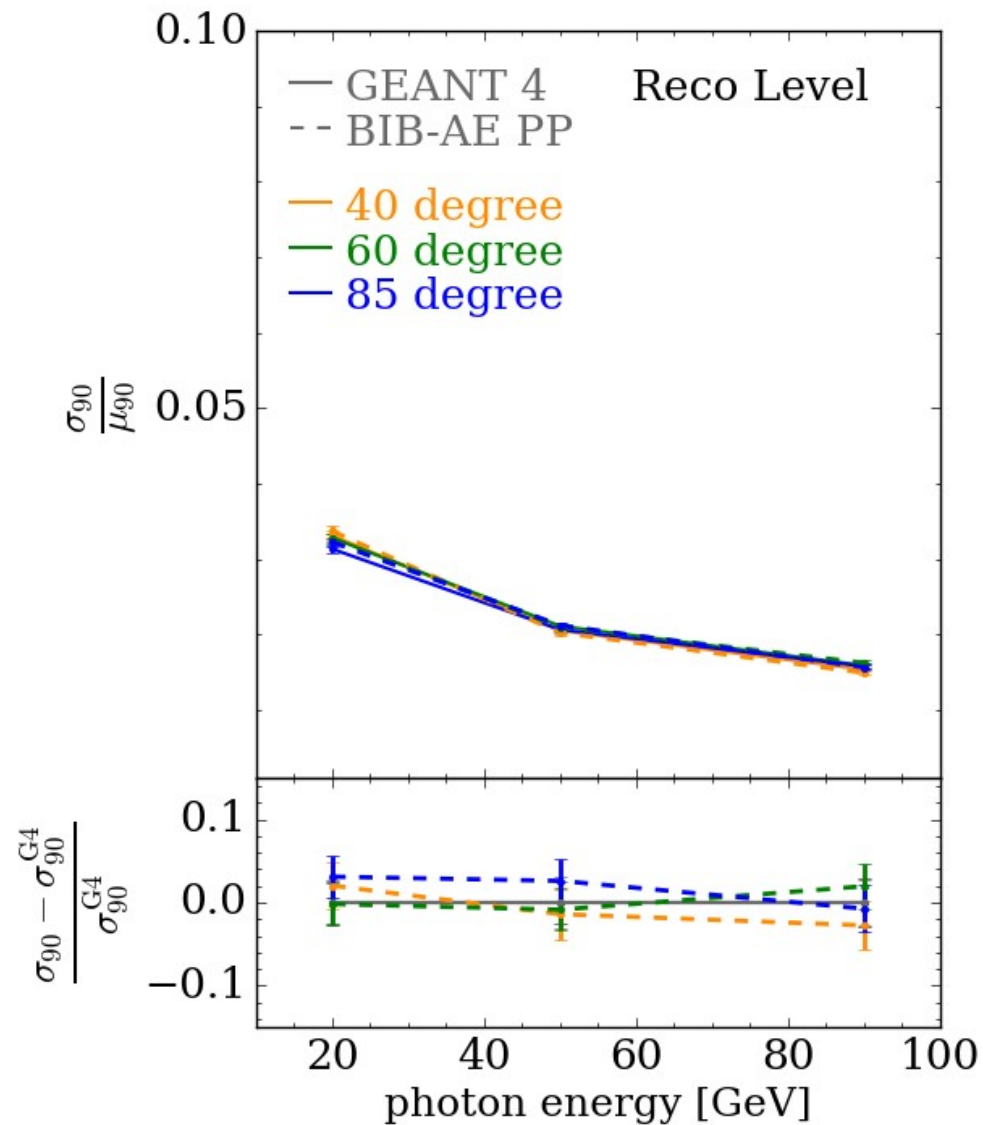
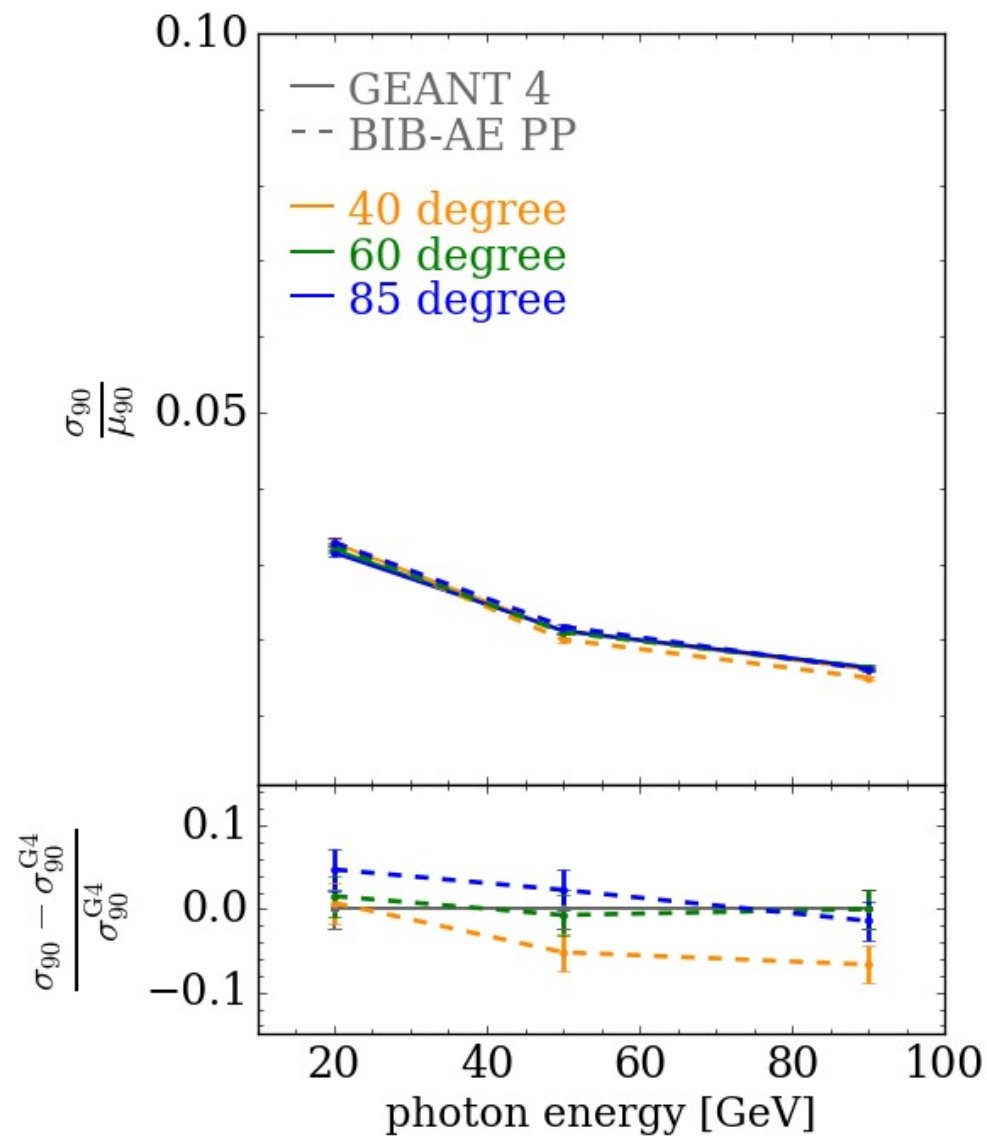
Results: Energy linearity Sim vs Rec

Cut at npfo = 1



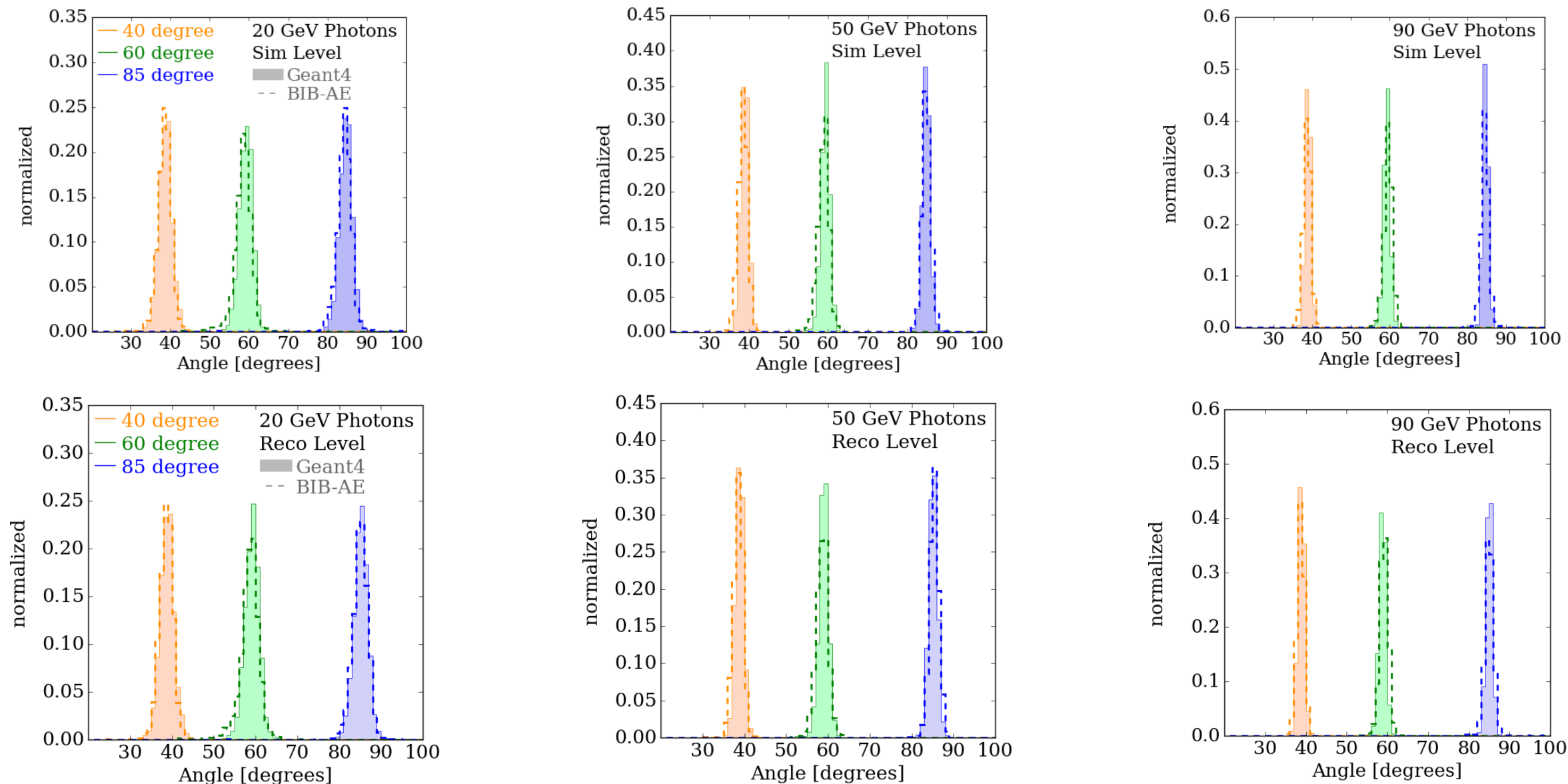
Results: Energy resolution Sim vs Rec

Cut at npfo = 1



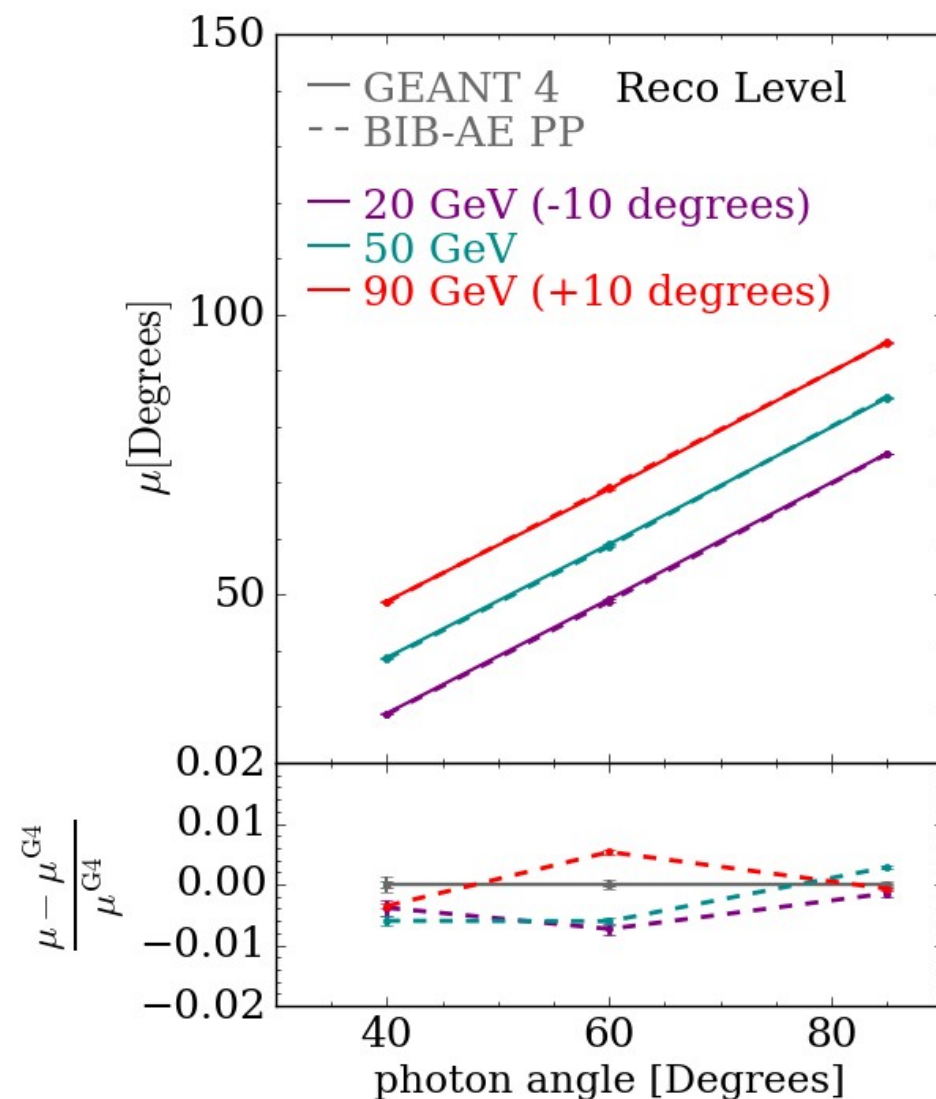
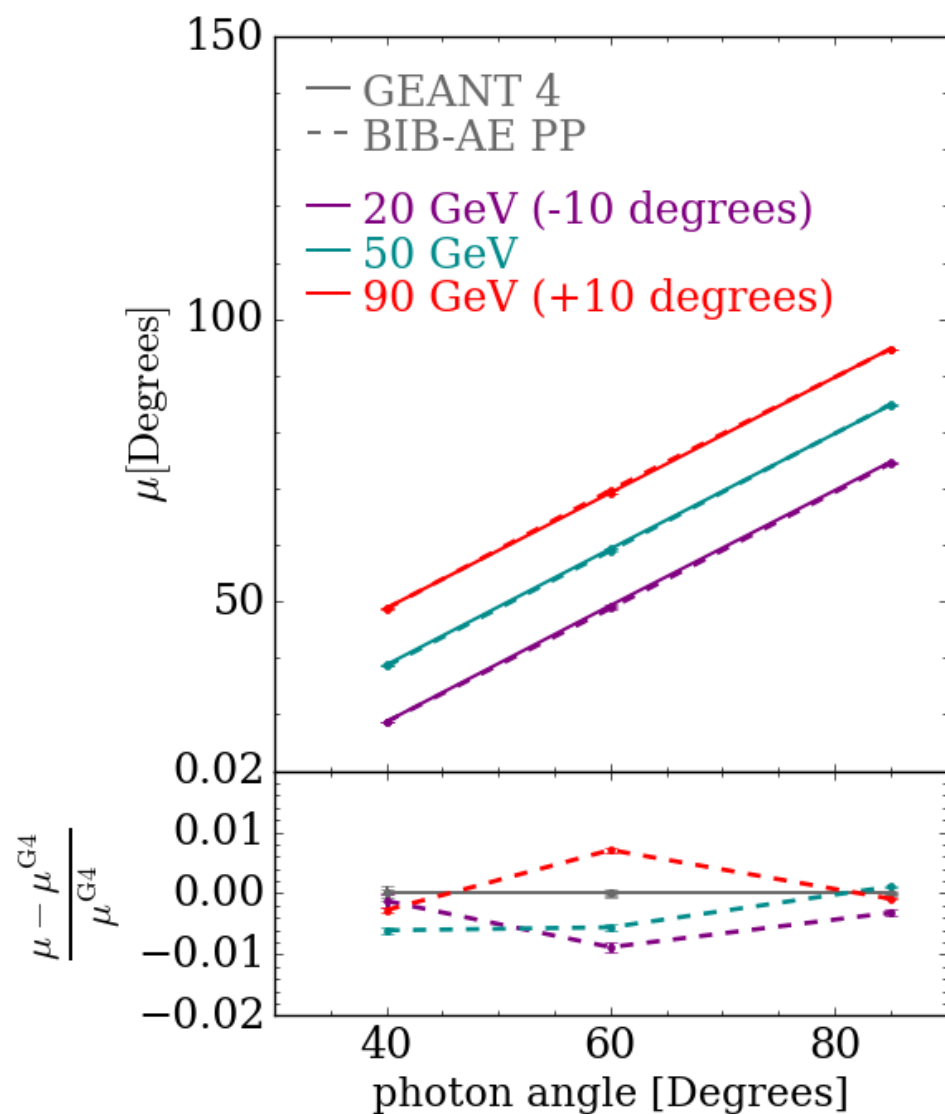
Results: Angular resolution- Sim vs Reco

Cut at $npfo = 1$



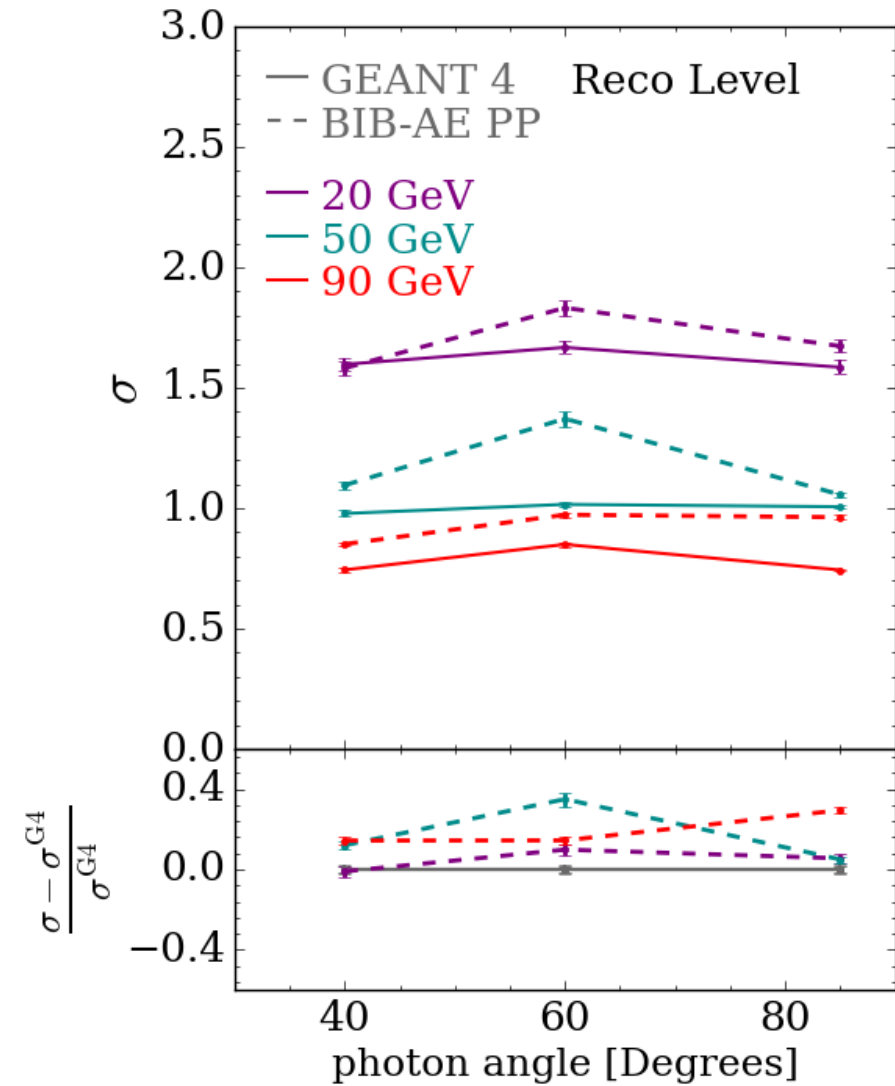
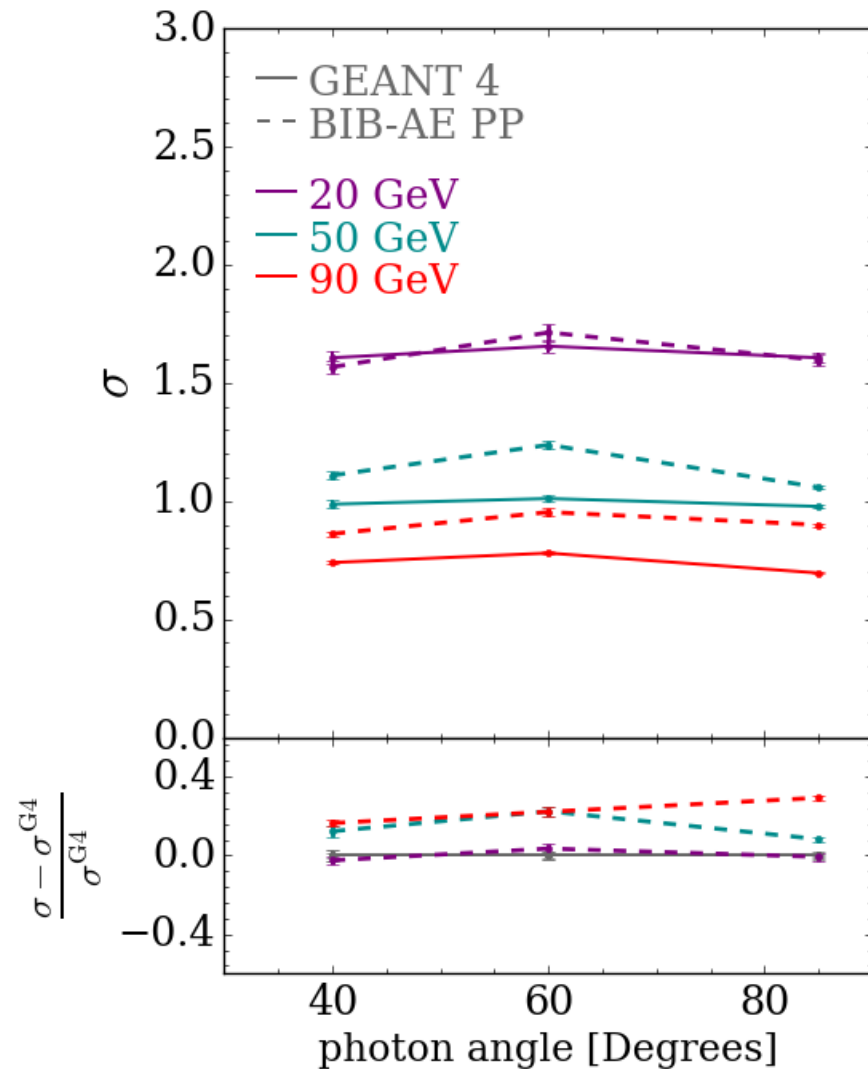
Results: Angular linearity Sim vs Rec

Cut at npfo = 1



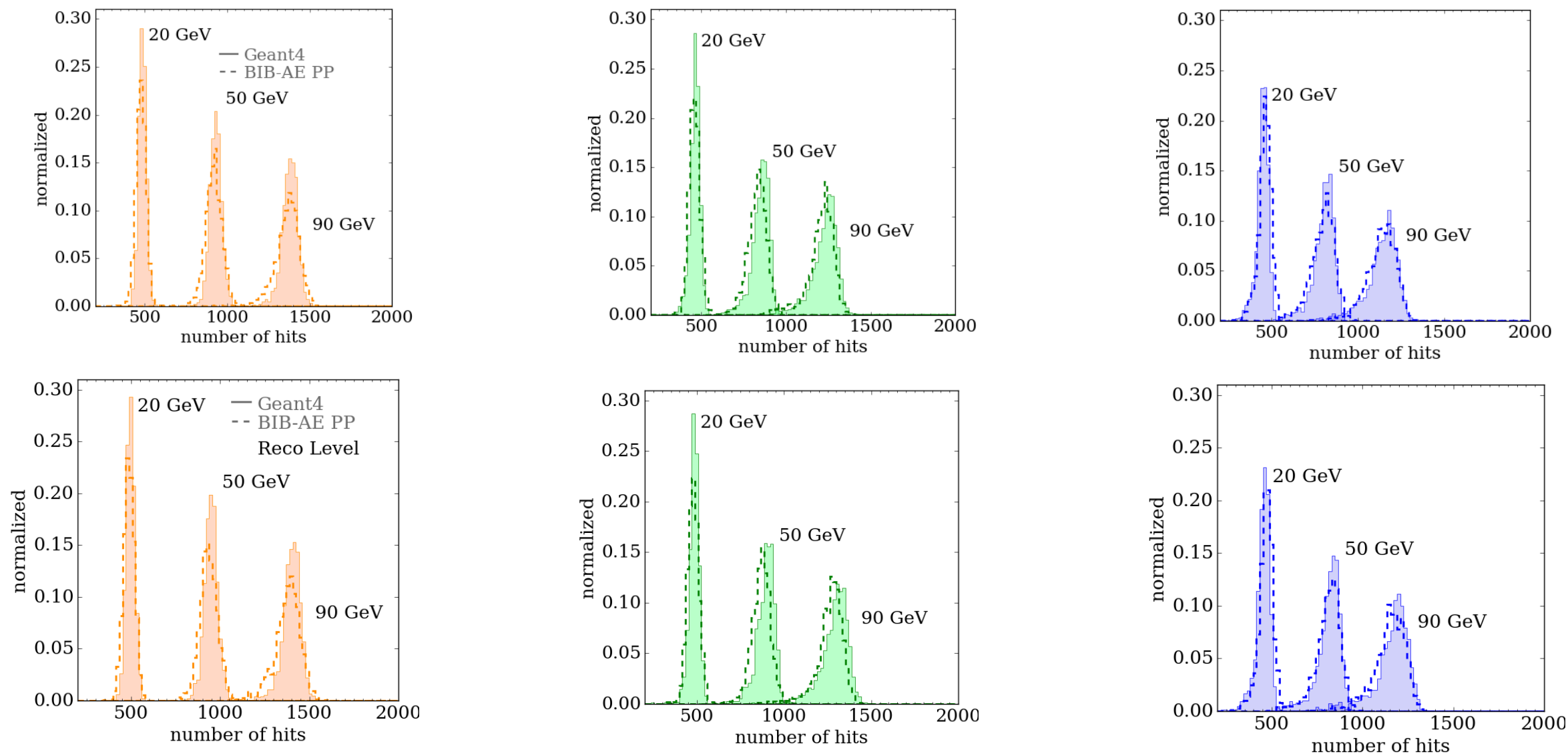
Results: Angular resolution Sim vs Rec

Cut at npfo = 1

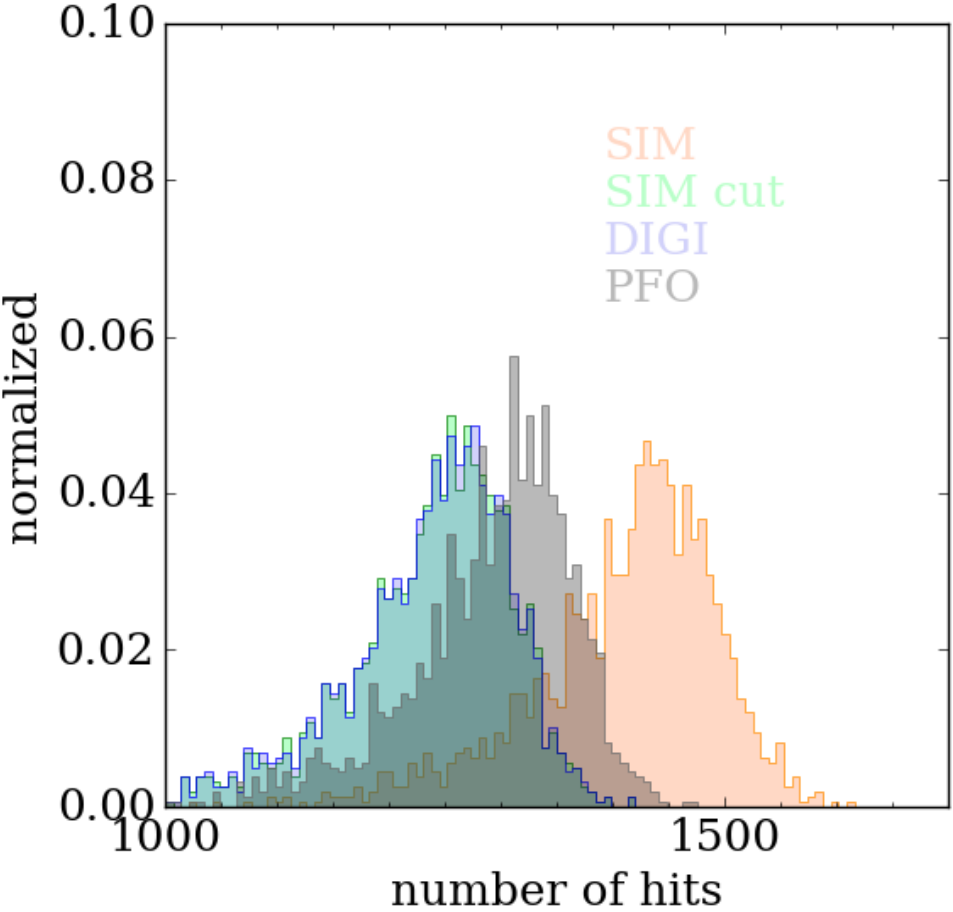


Results: Nhits- Sim vs Reco

Cut at npfo = 1



Results: Nhits- Why more after clustering? Cut at npfo = 1



RUN: 0
DETECTOR: unknown
COLLECTIONS: (see below)
////////////////////////////////

COLLECTION NAME	COLLECTION TYPE	NUMBER OF ELEMENTS
BCAL	CalorimeterHit	0
BuildUpVertex	Vertex	0
BuildUpVertex_RP	ReconstructedParticle	0
BuildUpVertex_V0	Vertex	0
BuildUpVertex_V0_RP	ReconstructedParticle	0
ClupatraTrackSegments	Track	0
ClupatraTracks	Track	0
ClusterMCTruthLink	LCRelation	0
DistilledPFOs	ReconstructedParticle	1
EcalBarrelCollection	SimCalorimeterHit	1421
EcalBarrelCollectionDigi	CalorimeterHit	1251
EcalBarrelCollectionGapHits	CalorimeterHit	87
EcalBarrelCollectionRec	CalorimeterHit	1251
EcalBarrelRelationsSimDigi	LCRelation	1251
EcalBarrelRelationsSimRec	LCRelation	1251
GammaGammaCandidateEtaPrimes	ReconstructedParticle	0
GammaGammaCandidateEtas	ReconstructedParticle	0
GammaGammaCandidatePi0s	ReconstructedParticle	0
GammaGammaParticles	ReconstructedParticle	0
LHCAL	CalorimeterHit	0
MCParticle	MCParticle	1
MCParticlesSkimmed	MCParticle	1
MCTruthClusterLink	LCRelation	0
MCTruthMarlinTrkTracksLink	LCRelation	0
MCTruthRecoLink	LCRelation	0
MUON	CalorimeterHit	0
MarlinTrkTracks	Track	0
MarlinTrkTracksKaon	Track	0
MarlinTrkTracksKaonMCP	LCRelation	0
:		

Results: Nhits- Sim vs Reco

Cut at npfo = 1

