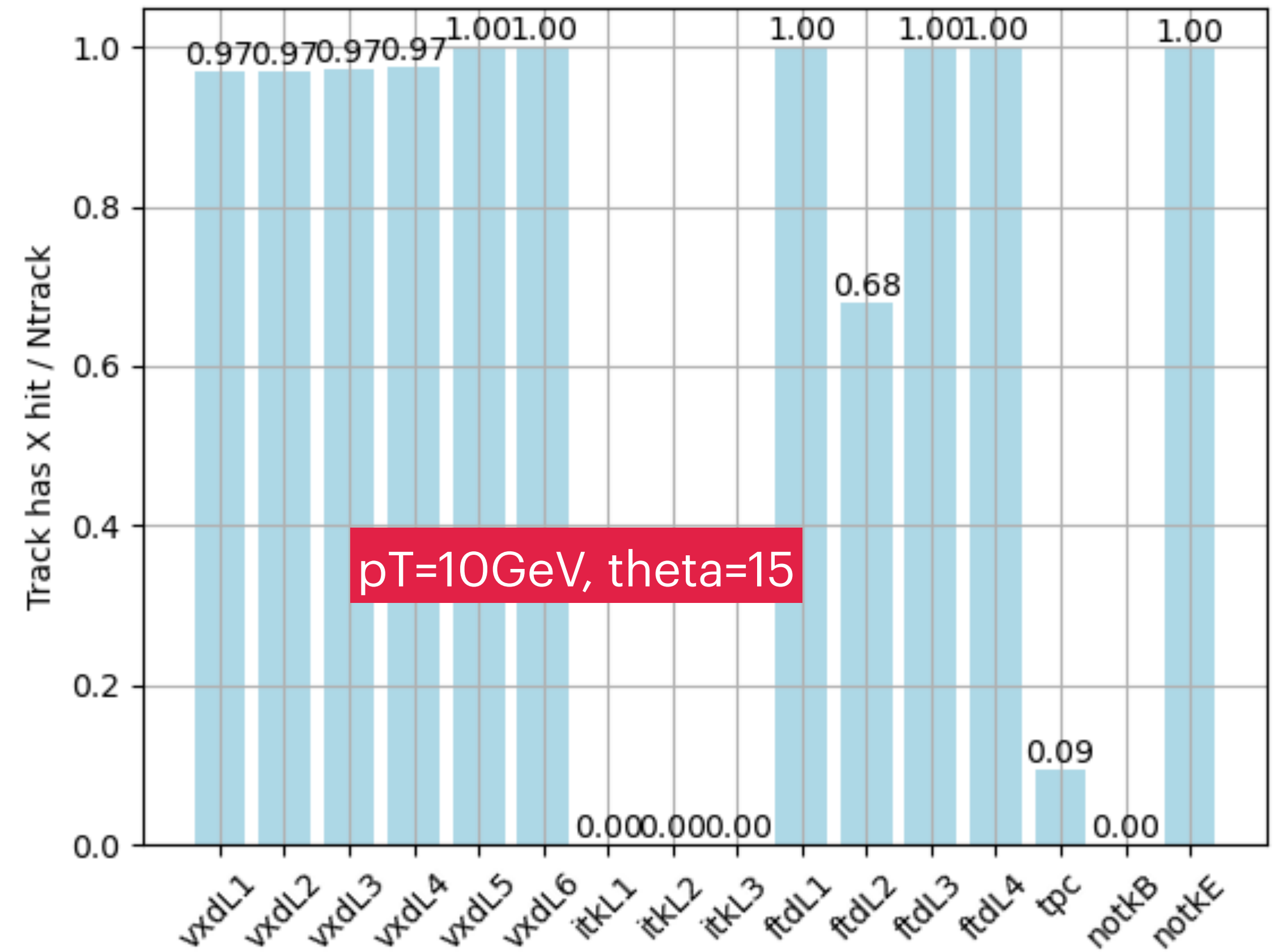
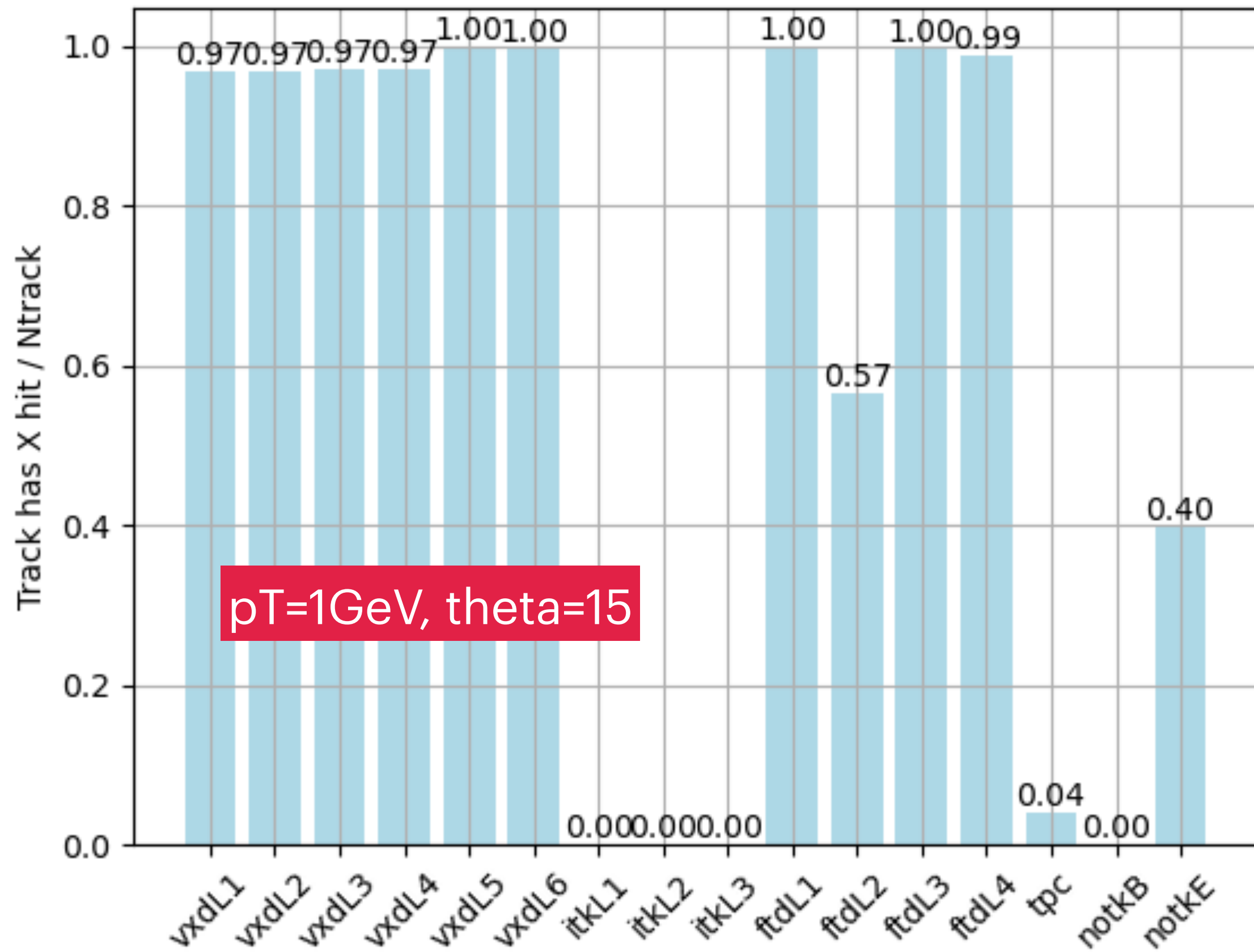
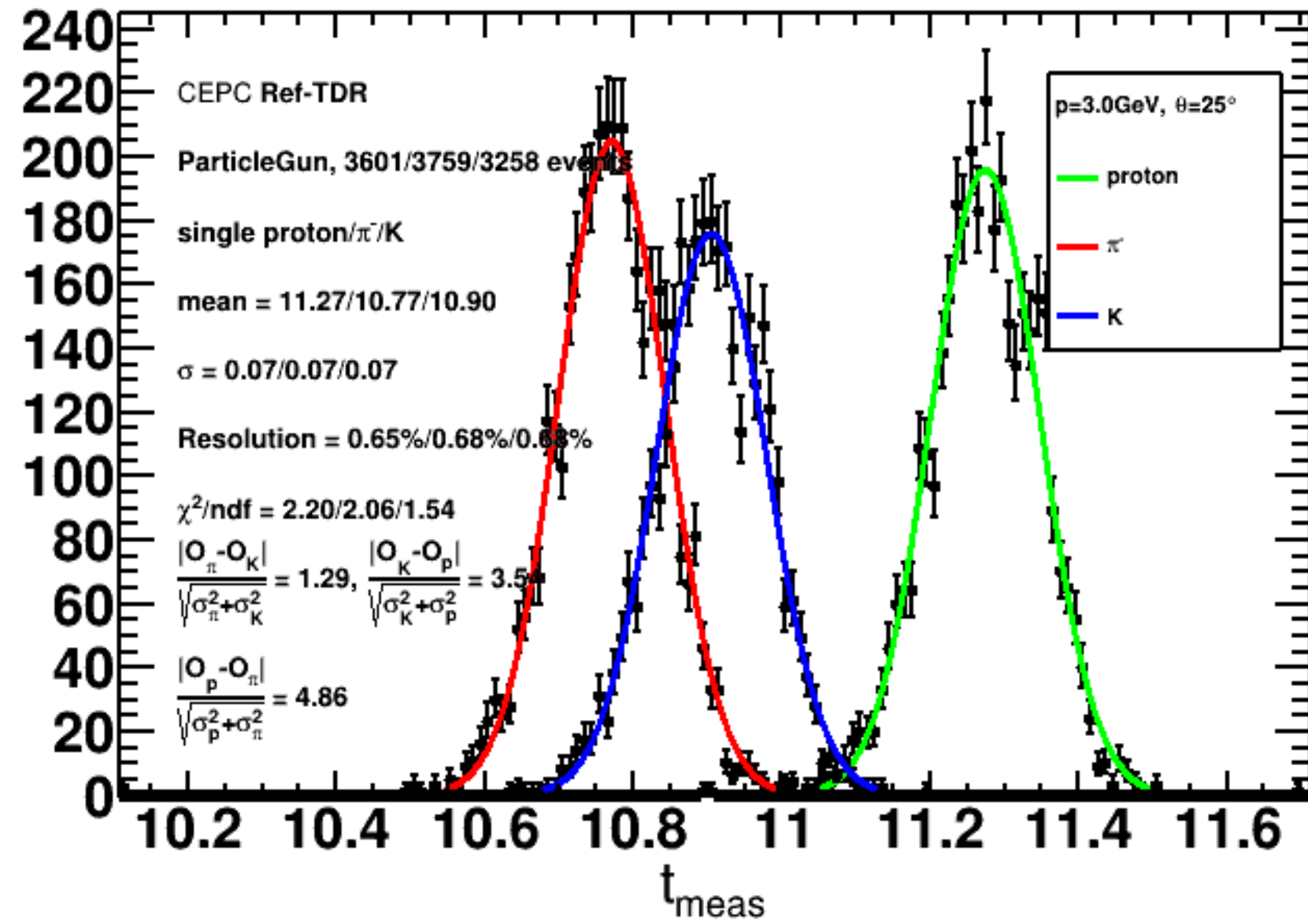


Forward Tracks



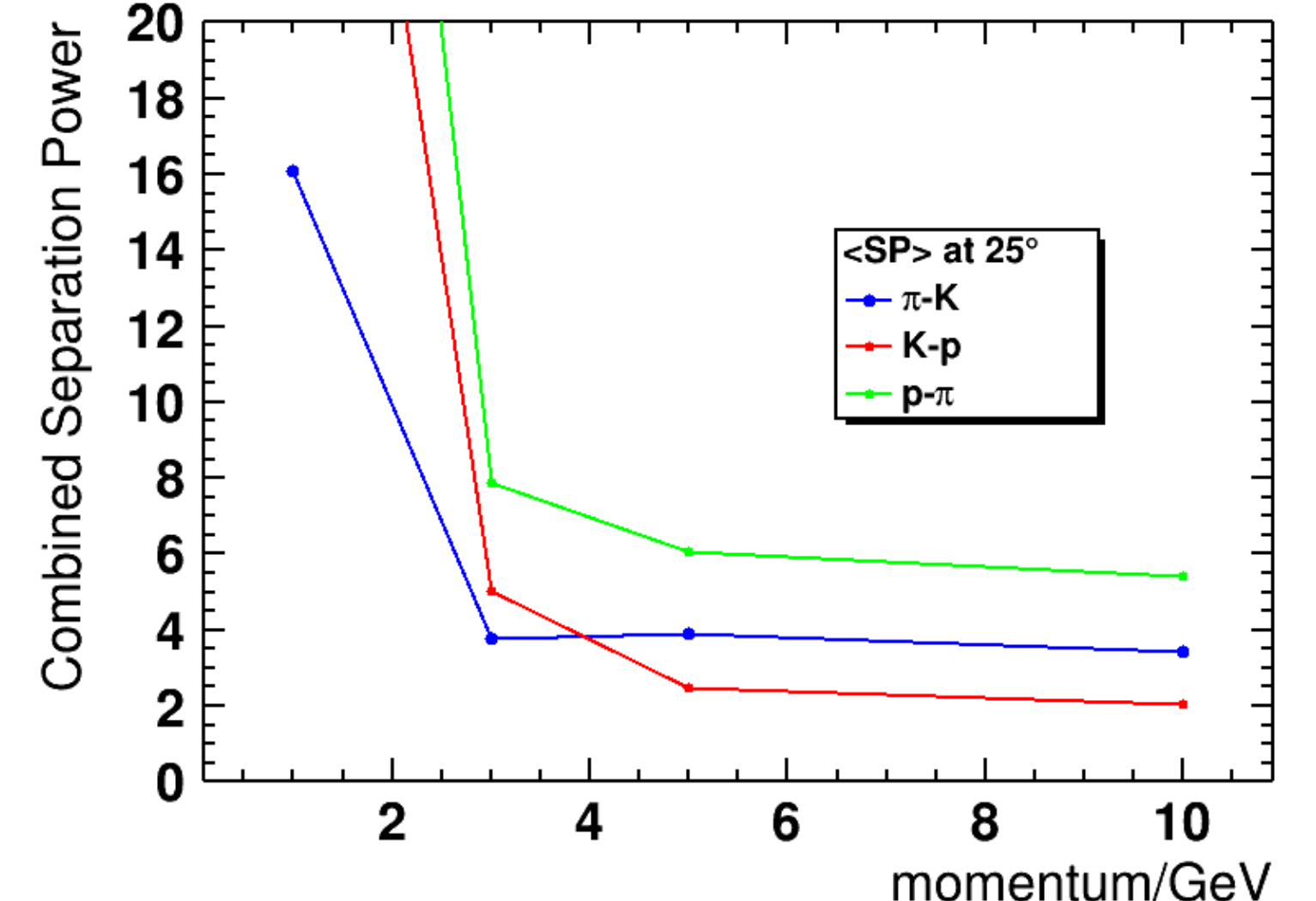
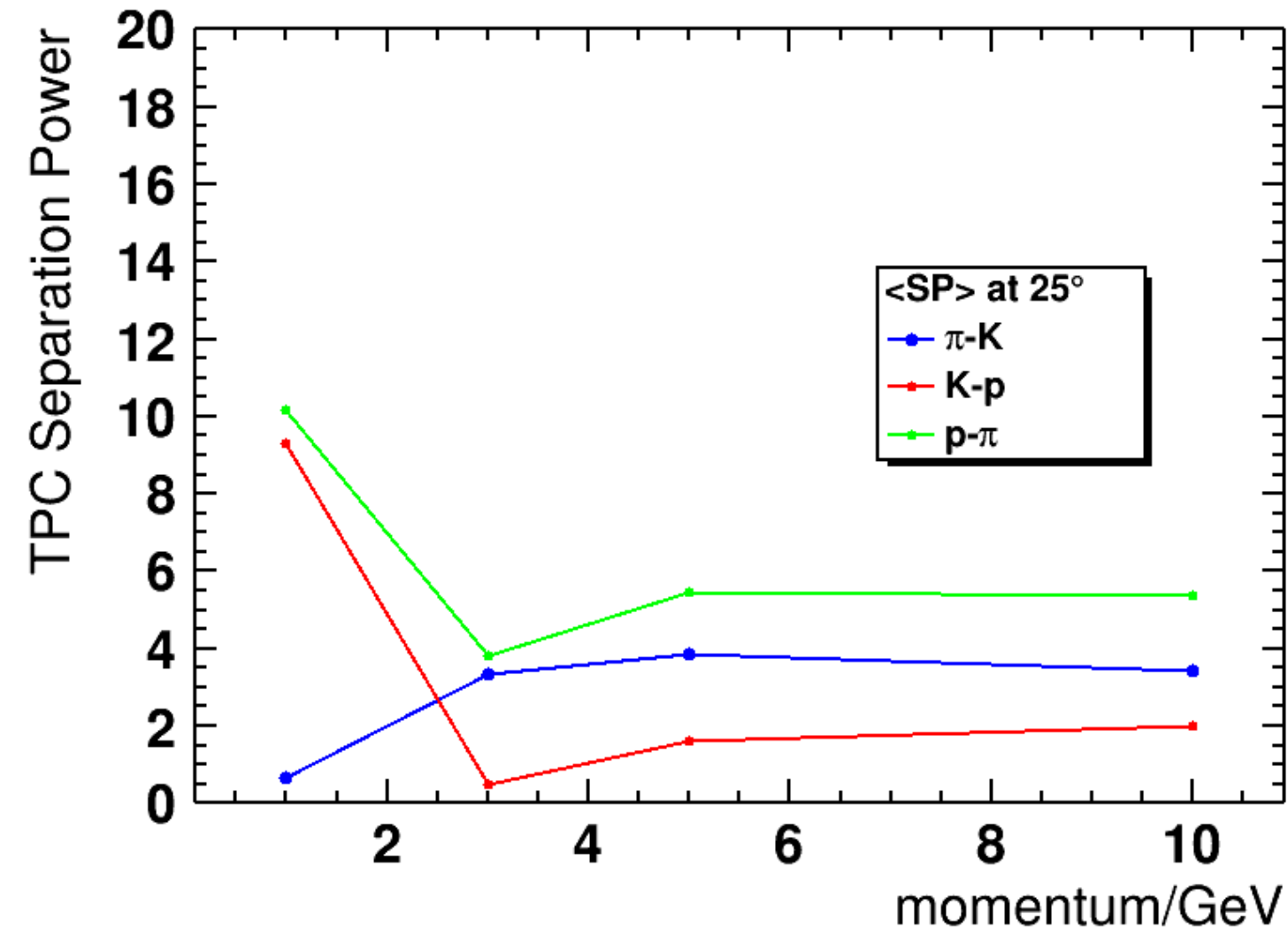
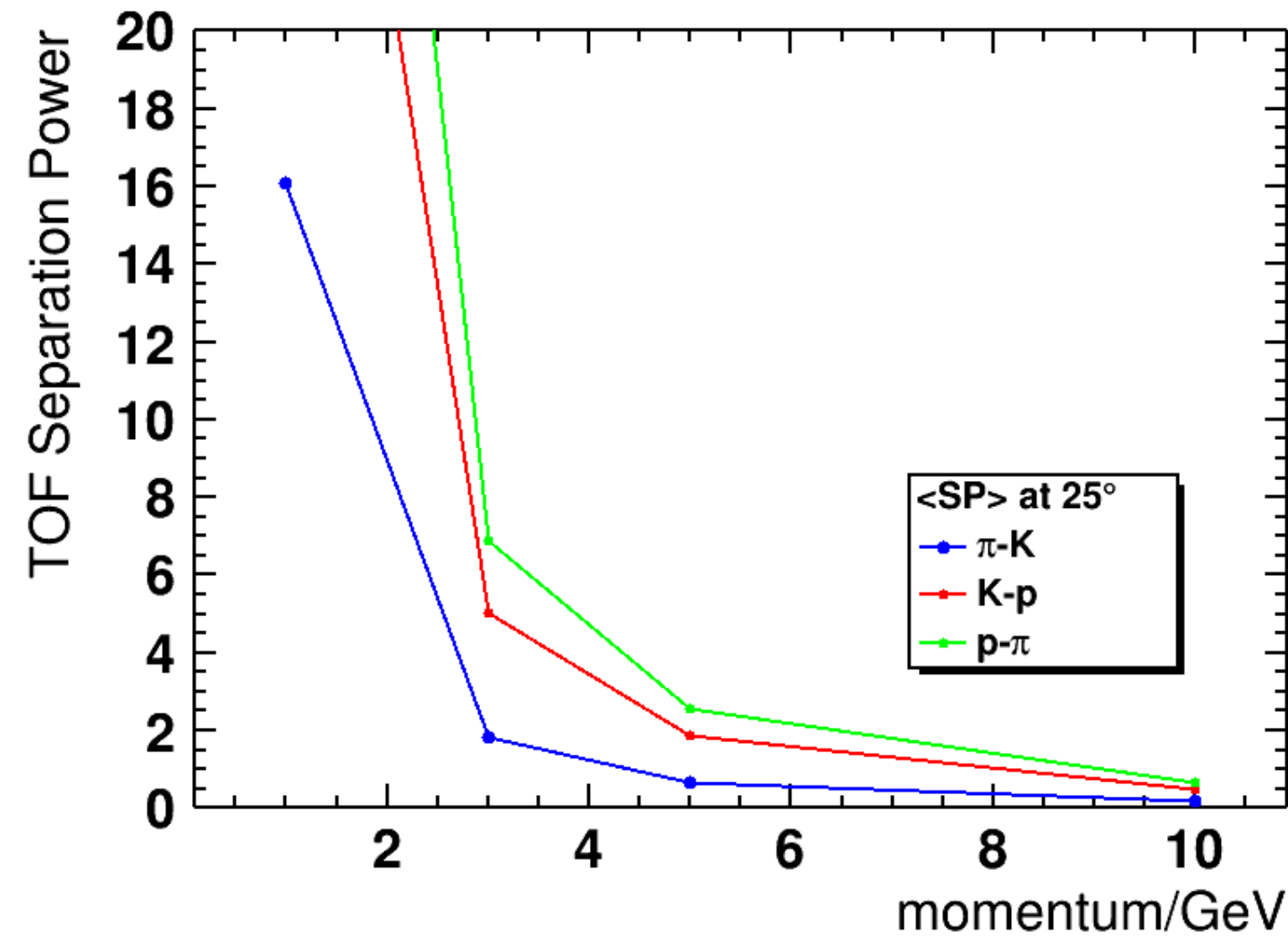
- Based on tdr25.3.0
- **MR 232 was merged to SW hours ago, not included yet**

Bugfix for the Missing Endcap OTK in TOF Rec.



tdr25.3.0 + MR 233

Separation power at 25°



Muon Id with Muon Detector

0.2rad \sim 11°

← 4 ParticleGun muons @ 5GeV, 85°

4 ParticleGun pions @ 5GeV, 85°

```
st111SUCCESS 'Fitter': 'KalTest'
DEBUG Event: 0 ntrk: 1 ntrk2mcp: 1 nbarrelhits: 3 nendcaphits: 0
DEBUG 3
DEBUG isGenMuon: 1
DEBUG Event: 0 Angles size: 3
DEBUG RecMuonAlg Angle: 0.203968 isGenMuon: 1
DEBUG RecMuonAlg Angle: 0.422822
DEBUG RecMuonAlg Angle: 0.573704
DEBUG Event: 1 ntrk: 1 ntrk2mcp: 1 nbarrelhits: 4 nendcaphits: 0
DEBUG 4
DEBUG RecMuonAlg Angle: 0.0344606
DEBUG RecMuonAlg Angle: 0.0168609
DEBUG RecMuonAlg Angle: 0.0169801
DEBUG isGenMuon: 1
DEBUG Event: 1 Angles size: 4
DEBUG RecMuonAlg Angle: 0.131668
DEBUG RecMuonAlg Angle: 0.169339
DEBUG RecMuonAlg Angle: 0.172643
DEBUG RecMuonAlg Angle: 0.194402
DEBUG Event: 2 ntrk: 1 ntrk2mcp: 1 nbarrelhits: 8 nendcaphits: 0
DEBUG 8
DEBUG RecMuonAlg Angle: 0.254268
DEBUG RecMuonAlg Angle: 0.172501
DEBUG RecMuonAlg Angle: 0.155703
DEBUG Event: 2 Angles size: 8
DEBUG RecMuonAlg Angle: 0.412171
DEBUG RecMuonAlg Angle: 0.446403
DEBUG RecMuonAlg Angle: 0.423394
DEBUG RecMuonAlg Angle: 0.464074
DEBUG RecMuonAlg Angle: 0.534764
DEBUG RecMuonAlg Angle: 0.524712
DEBUG RecMuonAlg Angle: 0.622156
DEBUG RecMuonAlg Angle: 0.766948
DEBUG Event: 3 ntrk: 1 ntrk2mcp: 1 nbarrelhits: 6 nendcaphits: 0
```

```
st111SUCCESS 'Fitter': 'KalTest'
DEBUG Event: 0 ntrk: 1 ntrk2mcp: 1 nbarrelhits: 0 nendcaphits: 0
DEBUG 0
DEBUG Event: 1 ntrk: 1 ntrk2mcp: 1 nbarrelhits: 0 nendcaphits: 0
DEBUG 0
DEBUG Event: 2 ntrk: 1 ntrk2mcp: 1 nbarrelhits: 0 nendcaphits: 0
DEBUG 0
DEBUG Event: 3 ntrk: 1 ntrk2mcp: 1 nbarrelhits: 1 nendcaphits: 0
DEBUG 1
DEBUG isGenMuon: 0
DEBUG Event: 3 Angles size: 1
DEBUG RecMuonAlg Angle: 2.00365
DEBUG Event: 4 ntrk: 1 ntrk2mcp: 1 nbarrelhits: 4 nendcaphits: 0
DEBUG 4
DEBUG isGenMuon: 0
DEBUG Event: 4 Angles size: 4
DEBUG RecMuonAlg Angle: 1.18189
DEBUG RecMuonAlg Angle: 1.19179
DEBUG RecMuonAlg Angle: 1.2365
DEBUG RecMuonAlg Angle: 1.24557
```