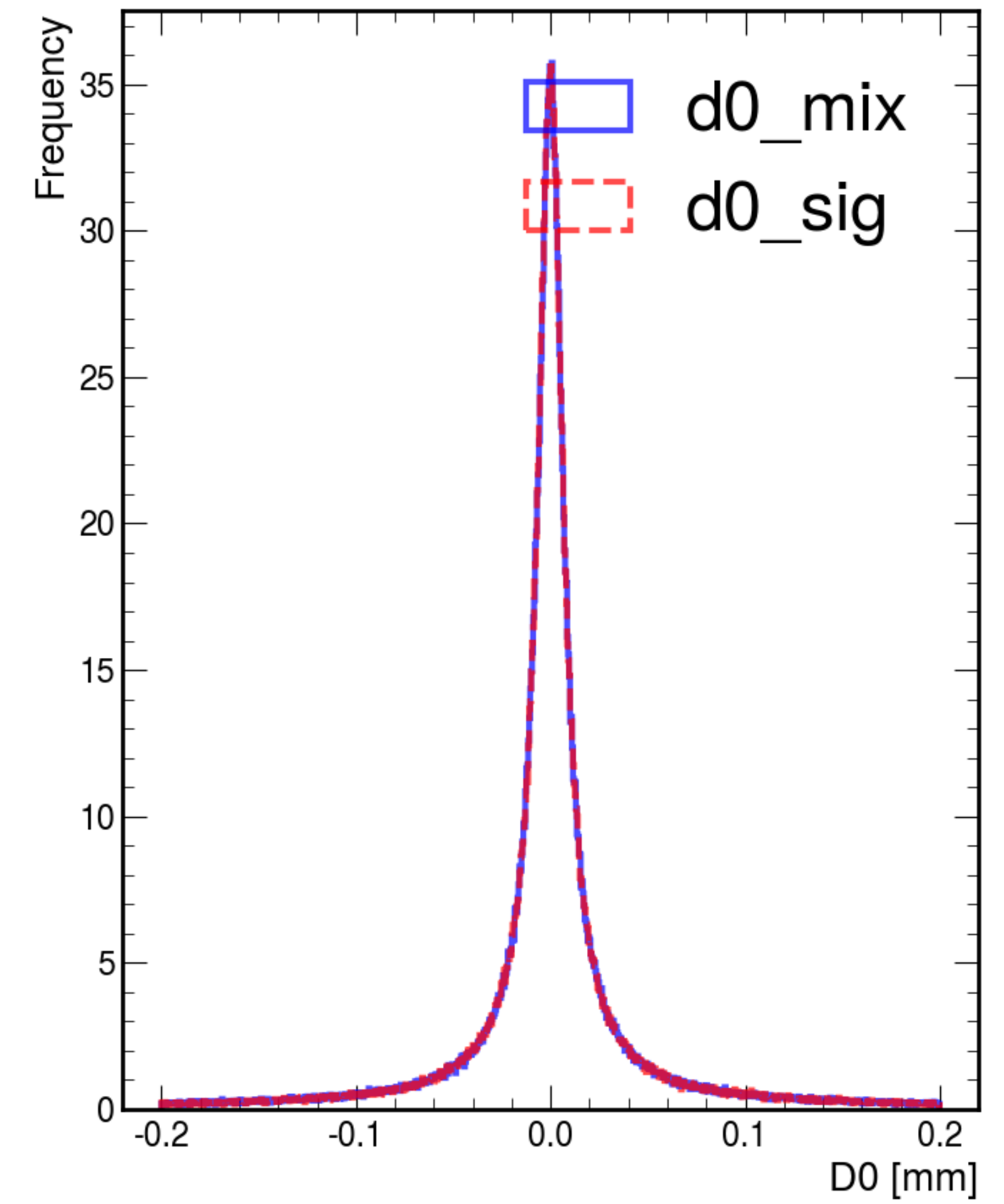
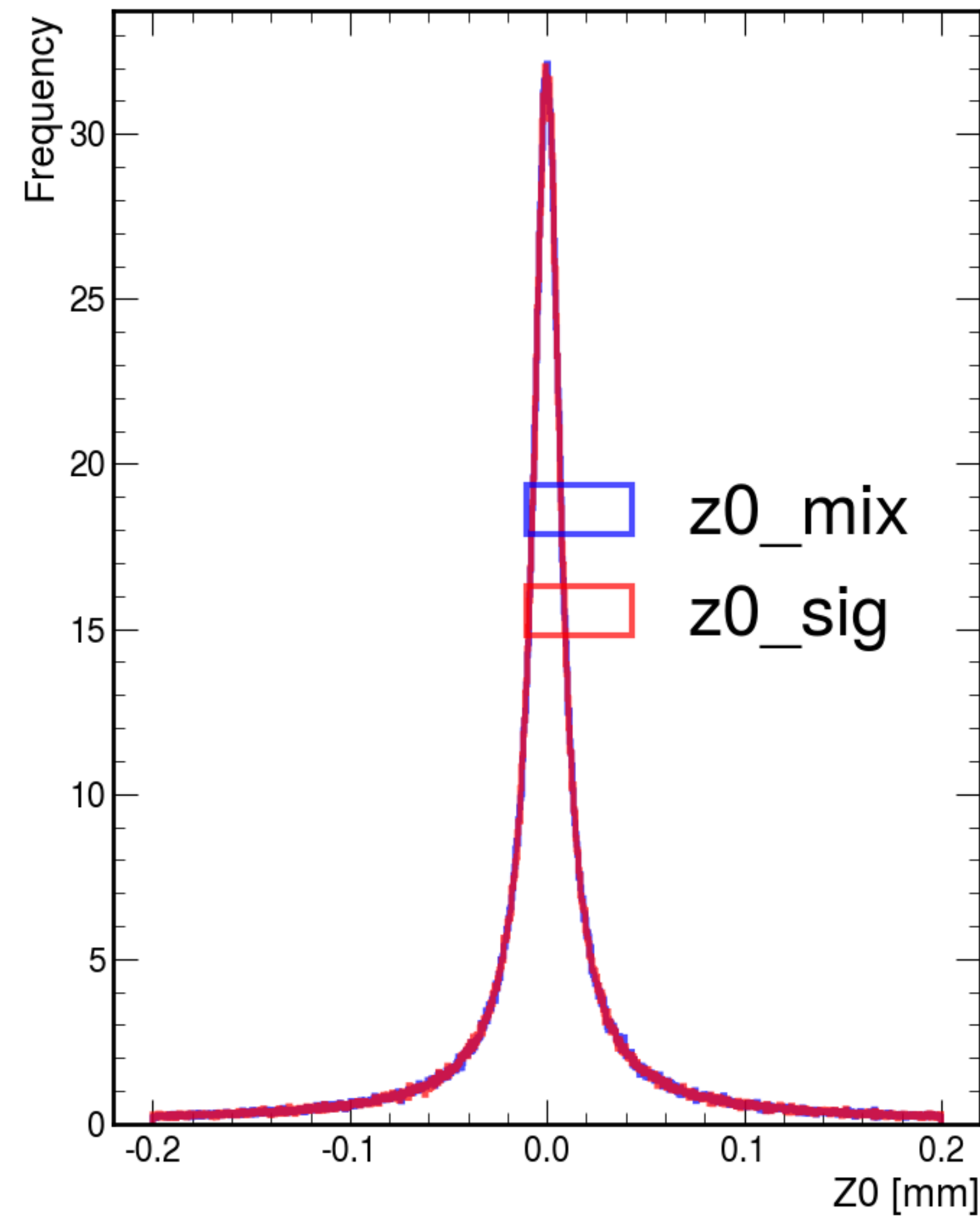
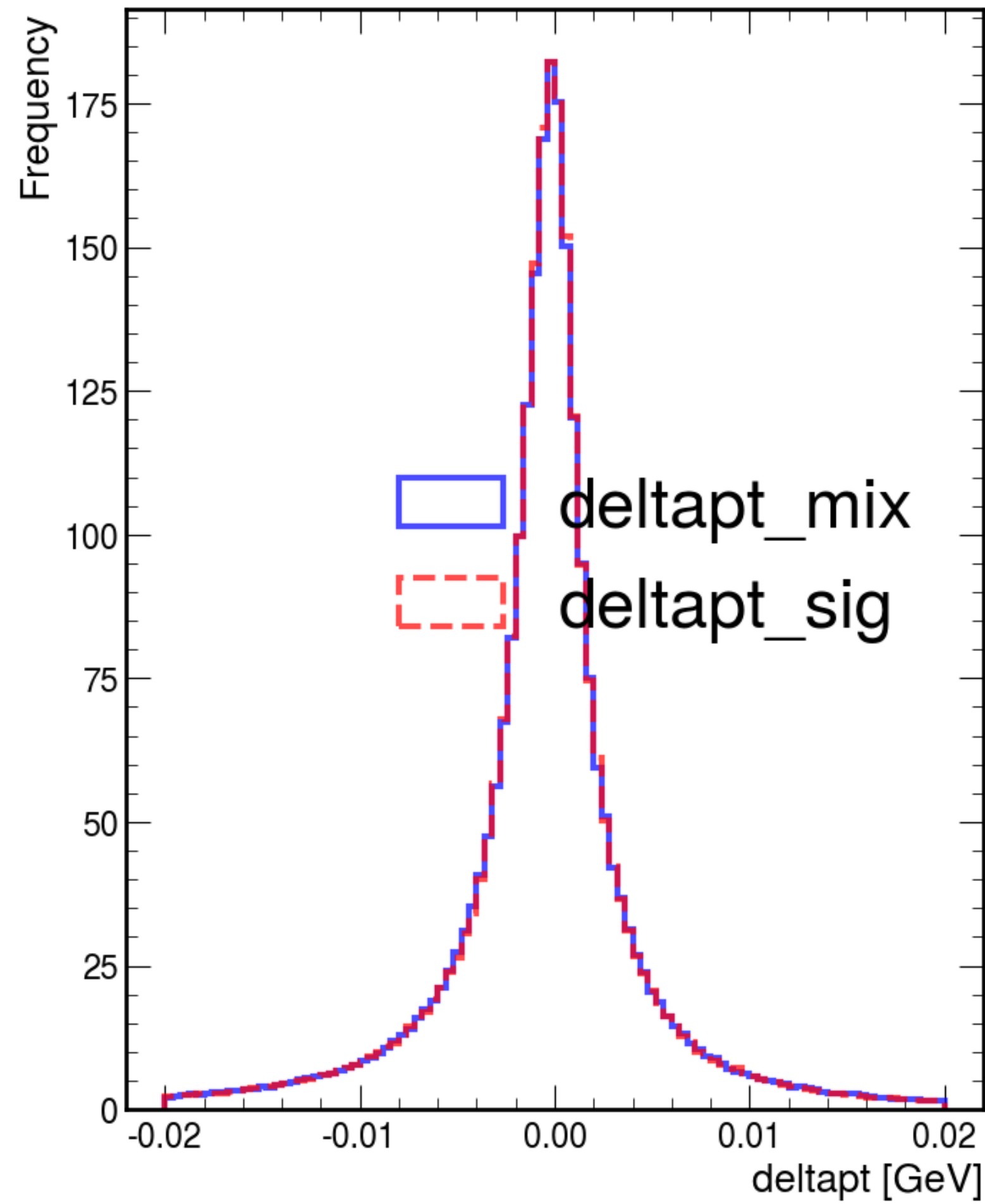


Status update

Chenguang Zhang / 04Jul2025

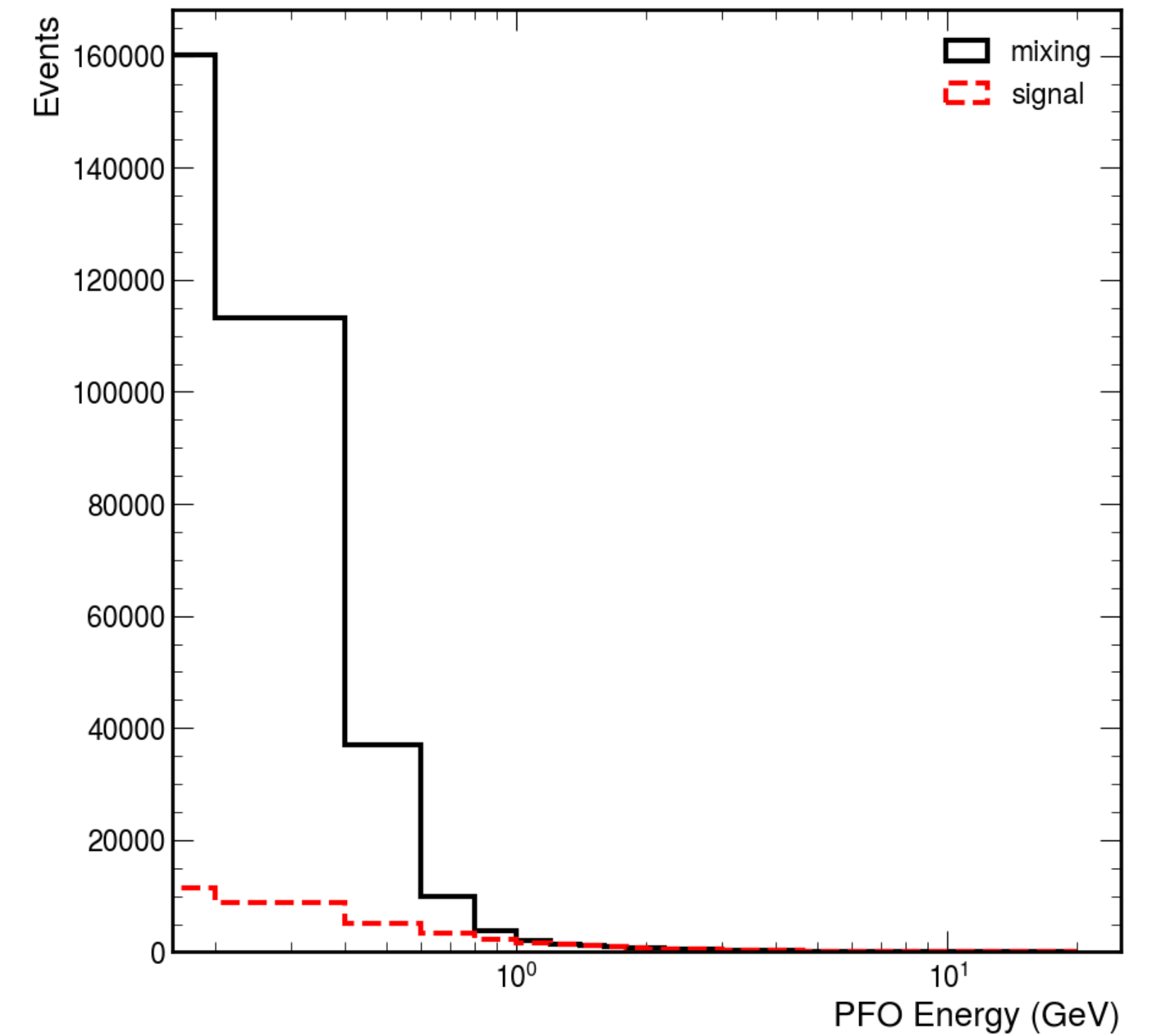
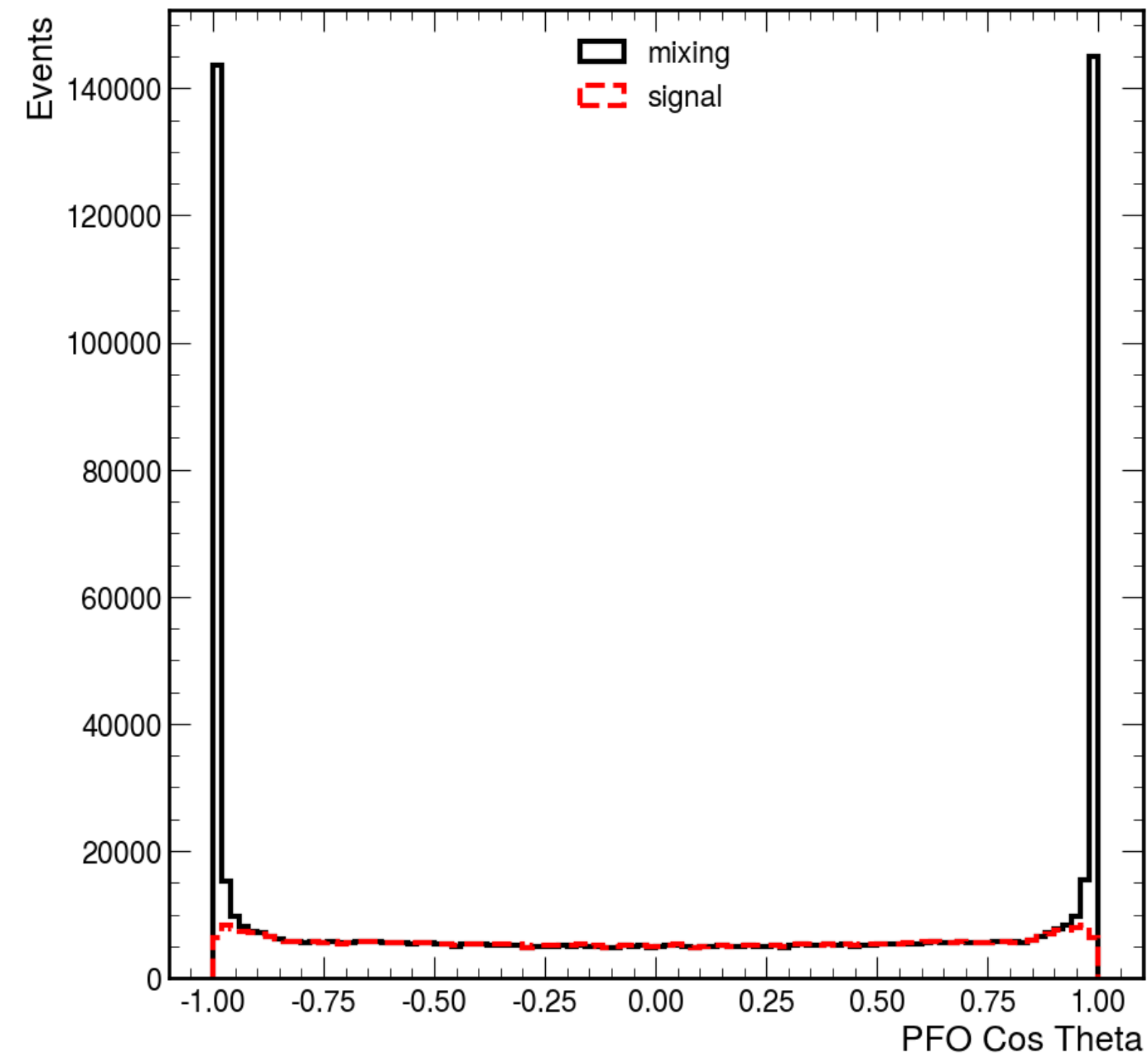
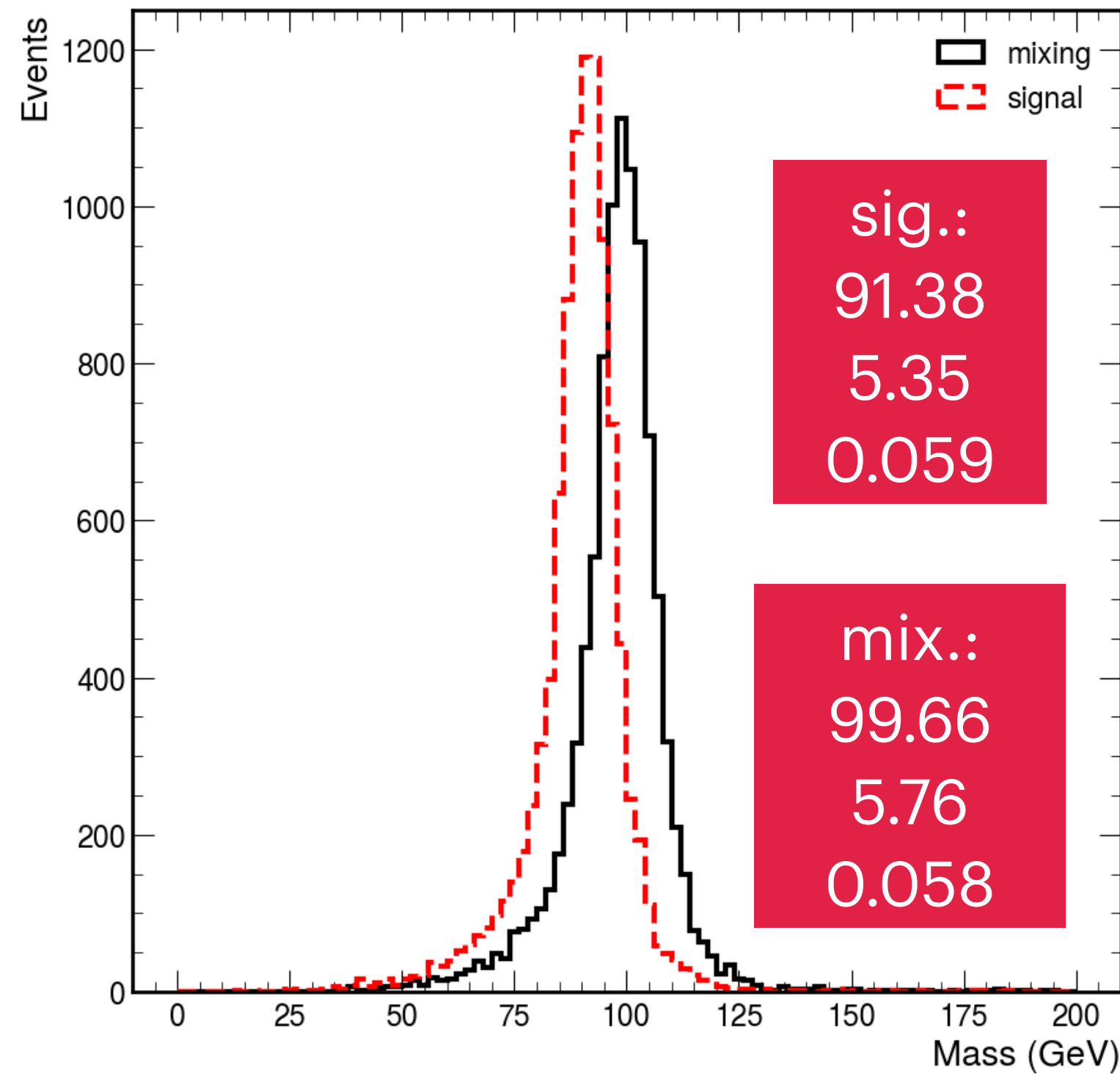
BIB for track

- bib, sig, mix and reconstruction are aligned to tdr25.5.0



BIB for calo.

- bib, sig, mix and reconstruction are aligned to tdr25.5.0

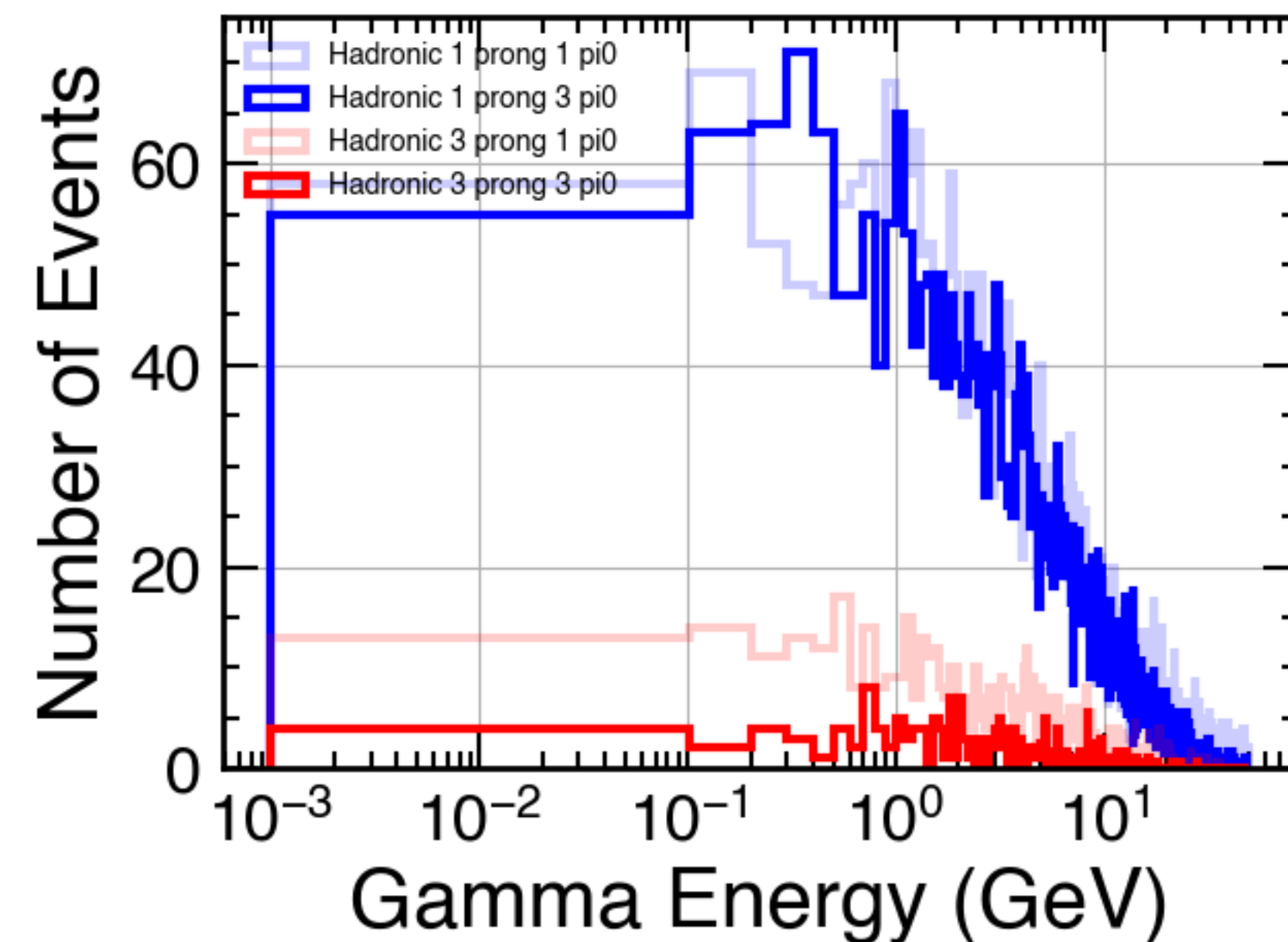
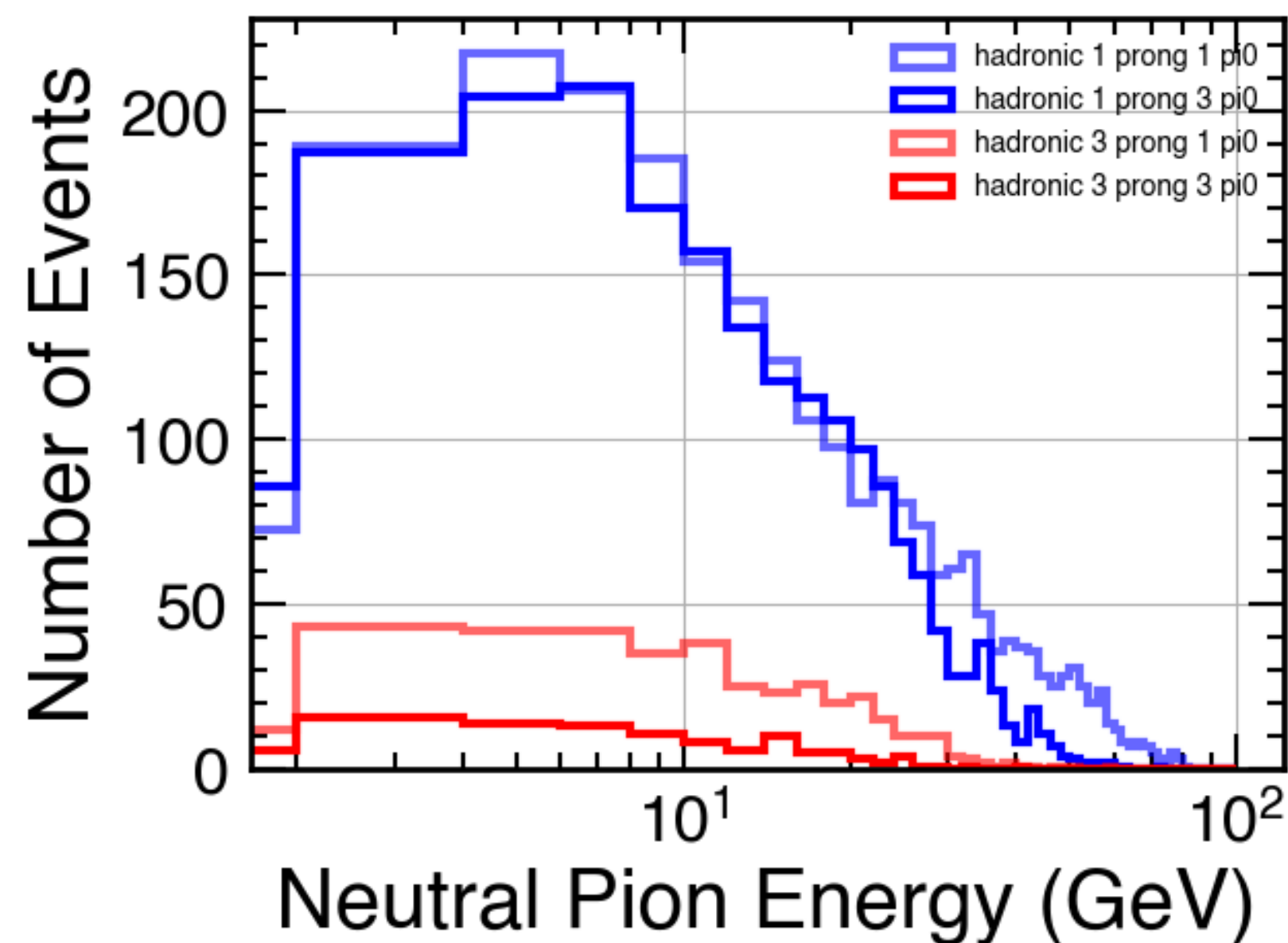
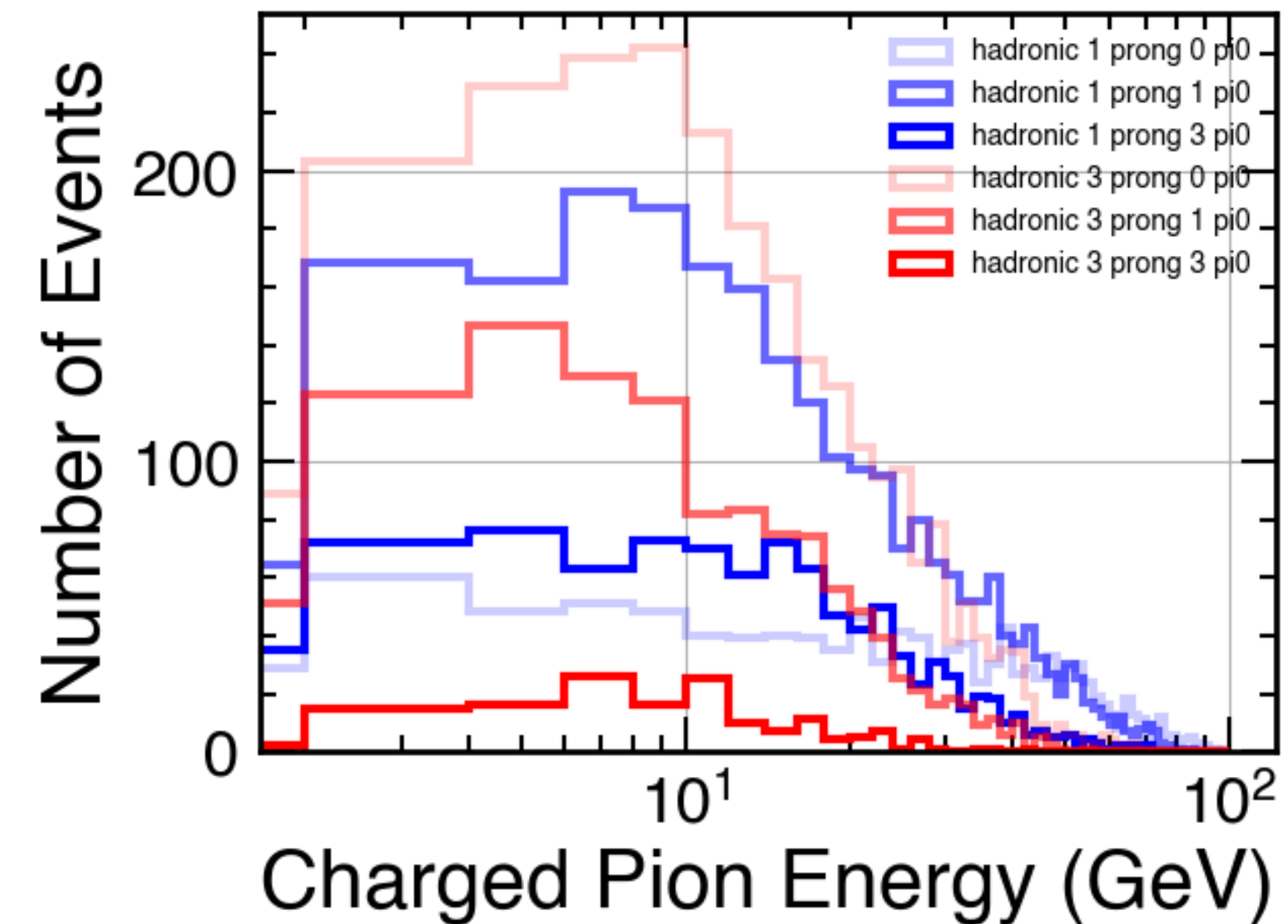


cos theta < -0.94 | cos theta > 0.94

tau-lepton reconstruction

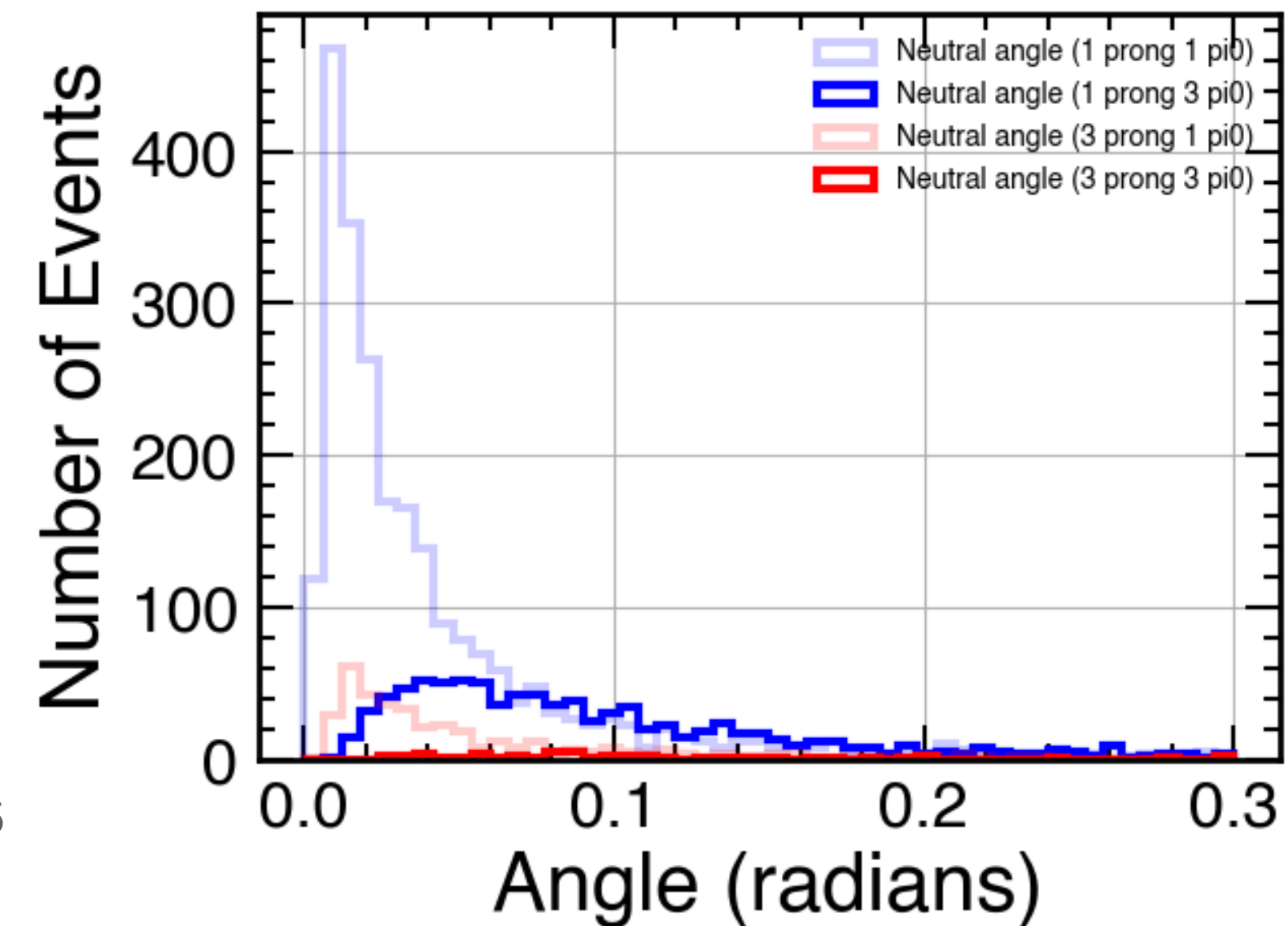
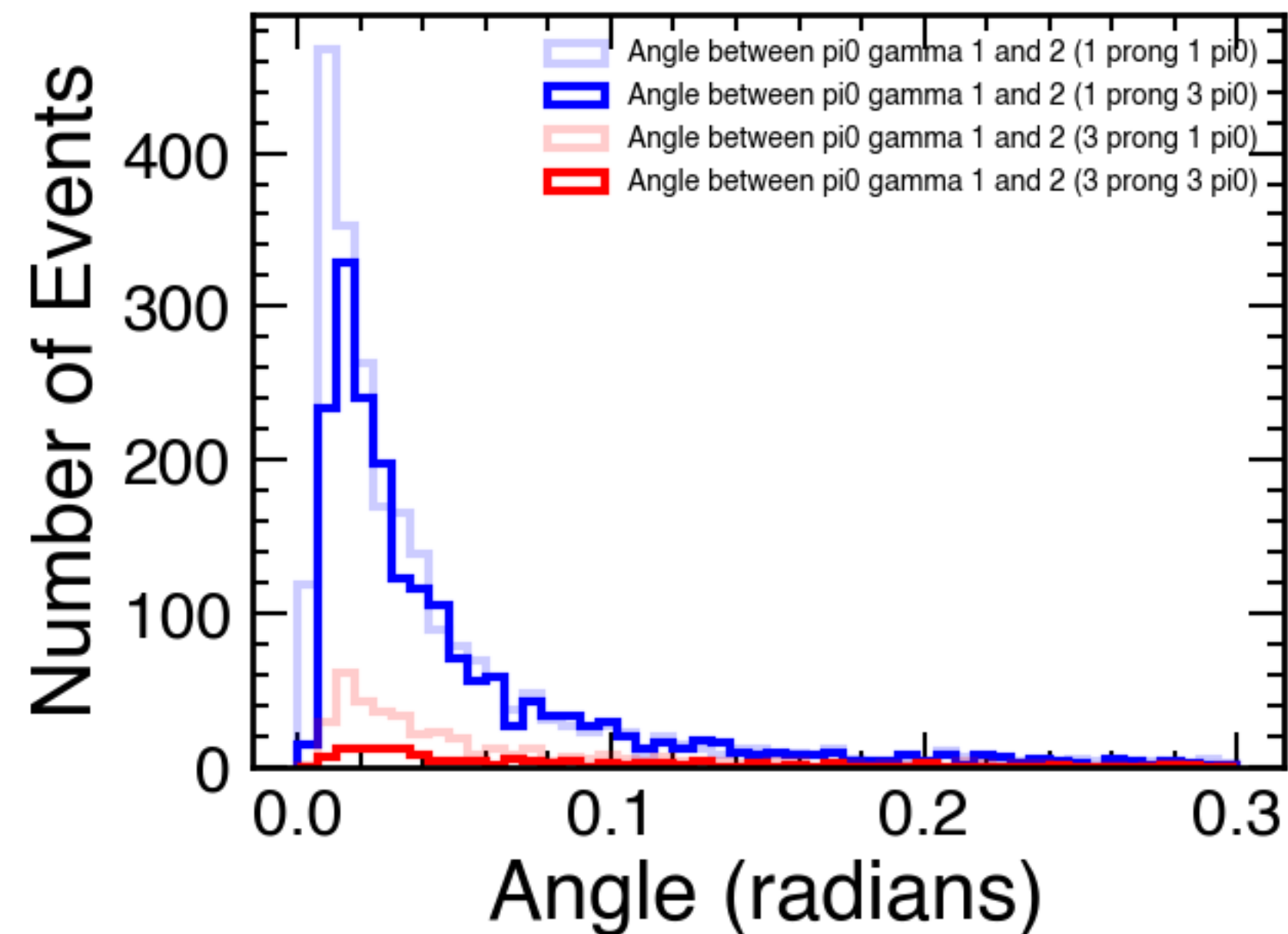
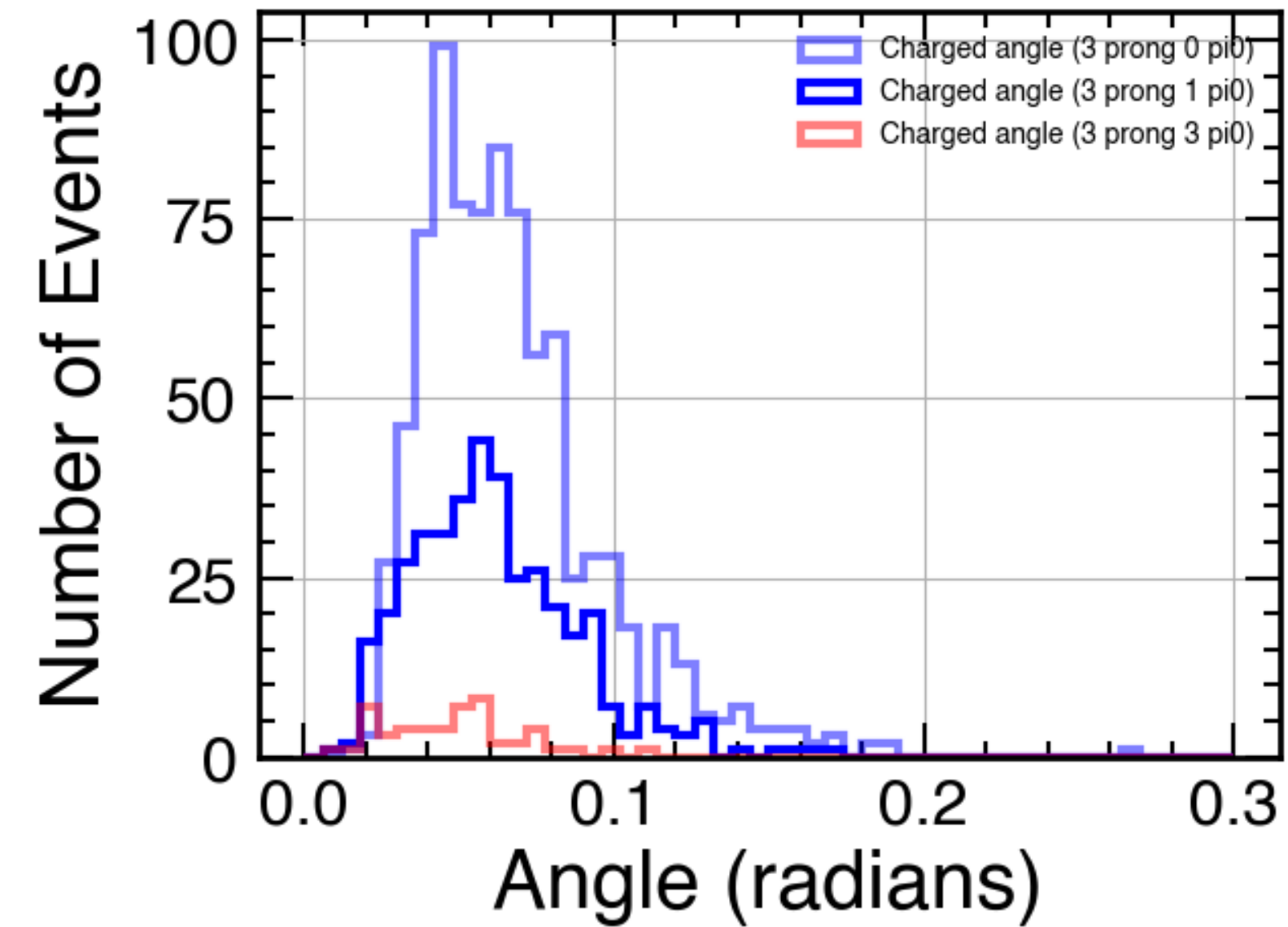
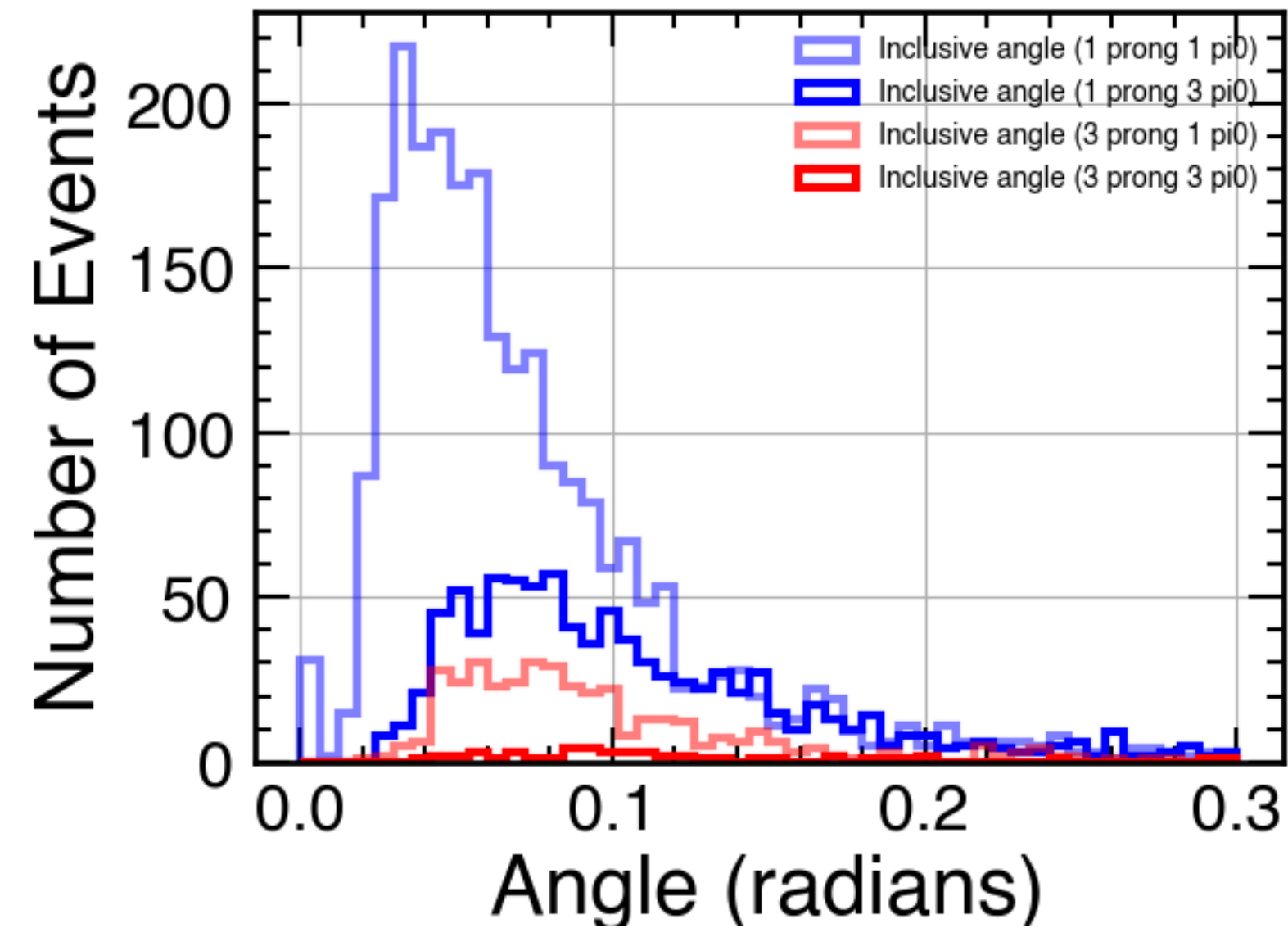
- Truth-level kinematics

1prong0pi0	0.12
1prong1pi0	0.26
1prong3pi0	0.10
3prong0pi0	0.09
3prong1pi0	0.04
3prong3pi0	0.005



tau-lepton reconstruction

- Truth-level kinematics



Photon Performance in Jet [eebb@91GeV]

Truth Photon > 0.5 GeV	Condition	Fraction % (normalised to Truth)	Has PFO % (to Fraction)	Rec PID=22 % (to Fraction)	Rec PID=22 % (to Truth)
ISR	StartingPoint=IP, MotherParticle=22	0.8	18.7	9.6	0.08
Prompt	StartingPoint=IP, MotherParticle!=22	4.3	85.0	41.5	1.8
Gen Pi0	SP!=IP, MP=111 CreatedInSim=0	83.4	87.0	45.9	38.3
Sim Pi0 [what?]	SP!=IP,MP=111 CreatedInSim=1	2.8	70.1	27.7	0.7
Bremstrahlung	SP!=IP,MP=11,13 CreatedInSim=1	2.2	25.5	10.4	0.2
Other	else	6.4	82.6	43.7	2.8

Photon Performance in Jet [eebb@91GeV]

Truth Photon > 1 GeV	Condition	Fraction % (normalised to Truth)	Has PFO % (to Fraction)	Rec PID=22 % (to Fraction)	Rec PID=22 % (to Truth)
ISR	StartingPoint=IP, MotherParticle=22	0.7	22.5	12.5	0.09
Prompt	StartingPoint=IP, MotherParticle!=22	2.9	89.0	51.5	1.5
Gen Pi0	SP!=IP, MP=111 CreatedInSim=0	85.5	88.3	50.4	43.1
Sim Pi0 [what?]	SP!=IP,MP=111 CreatedInSim=1	1.7	76.5	35.2	0.6
Bremstrahlung	SP!=IP,MP=11,13 CreatedInSim=1	1.3	32.5	13.9	0.2
Other	else	8.0	84.4	47.7	3.8

