

# Efficiency issue Study

Grazia의 MC Train file 사용

2020.08.26. PF

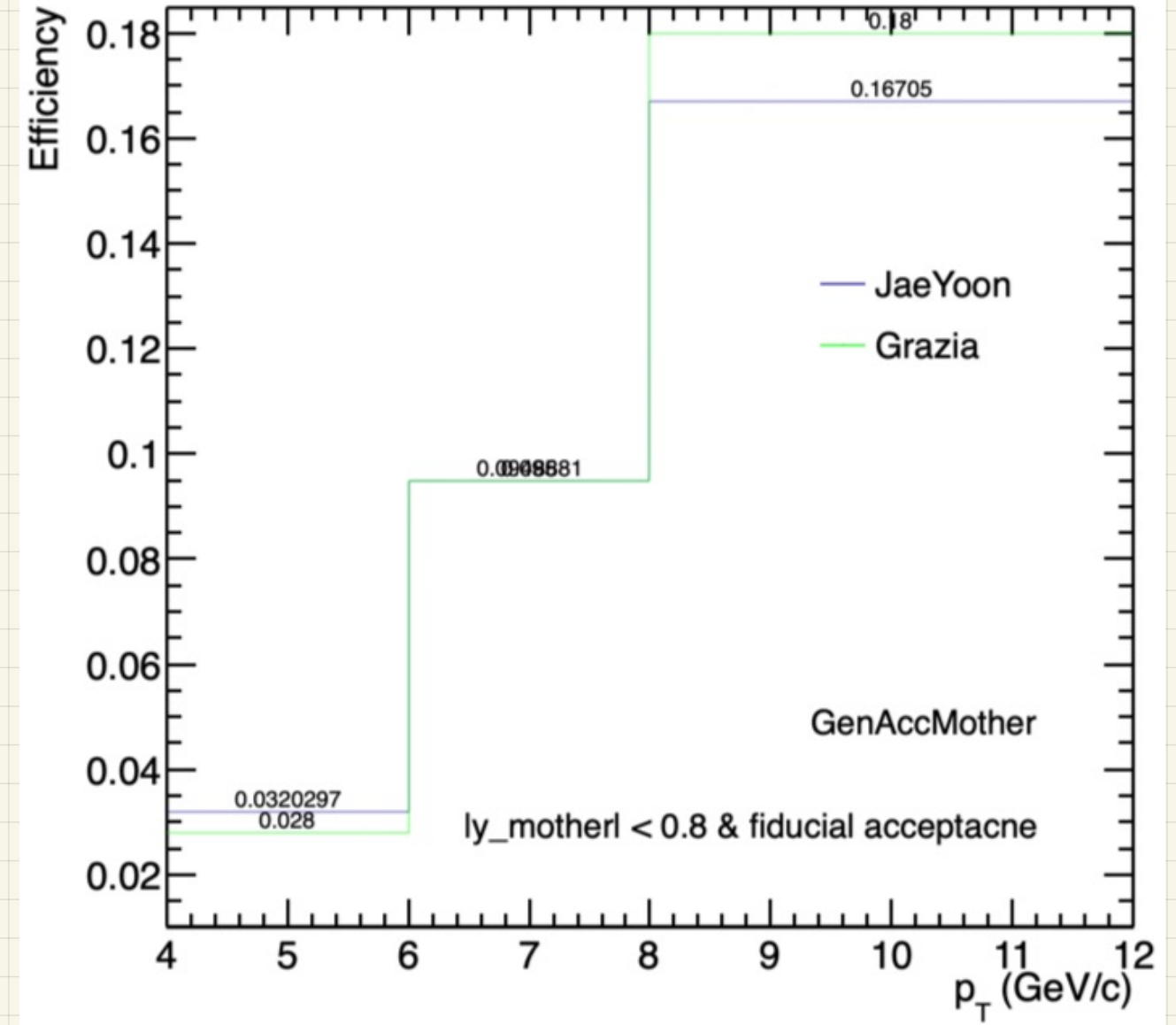
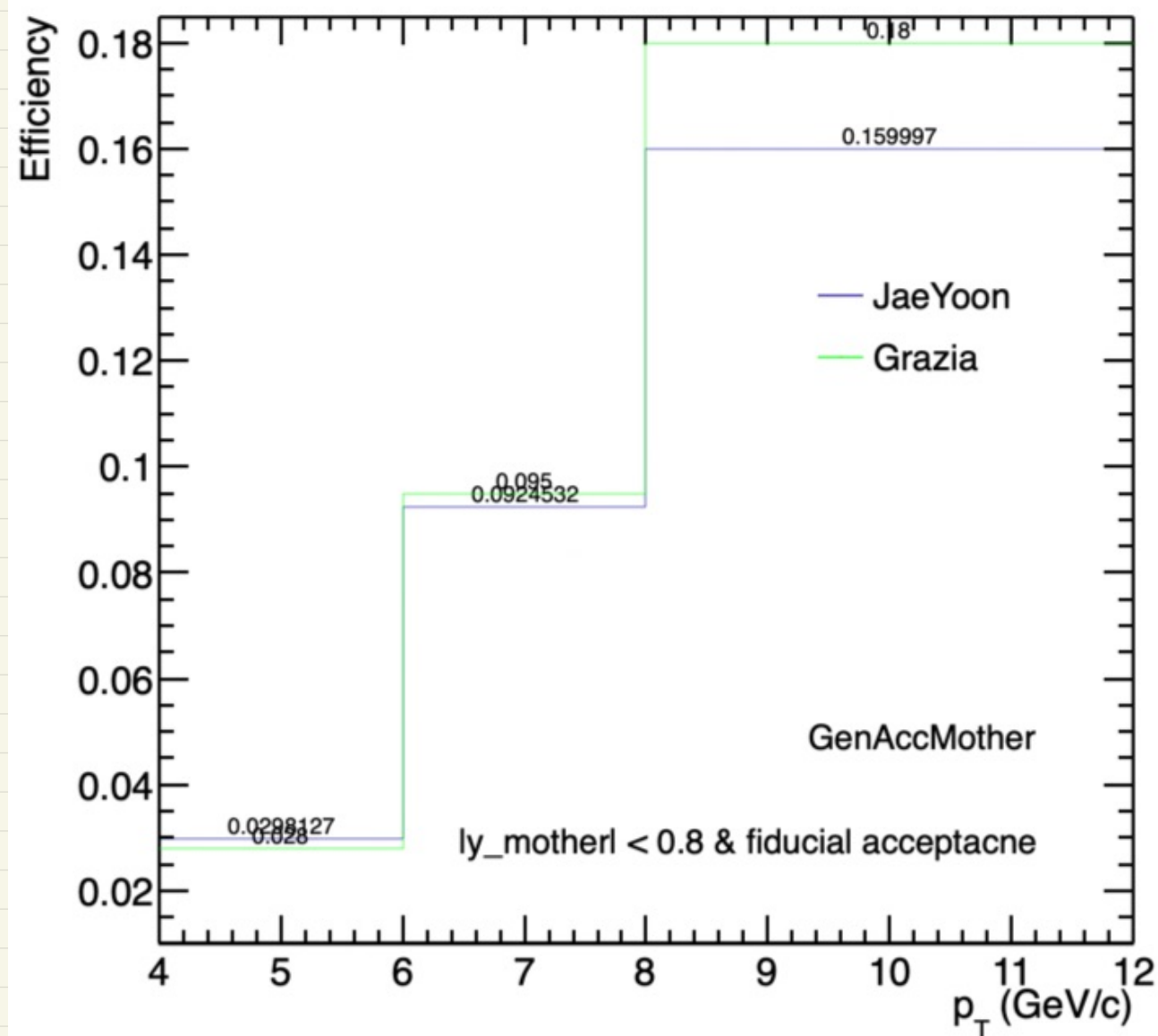
2021.03.02. D2H

	3<pT<4	4<pT<6	6<pT<8	8<pT<12
$ m(\Lambda)-m(\Lambda)_{PDG} $	<0,006 GeV/c <sup>2</sup>	<0,007 GeV/c <sup>2</sup>	<0,007 GeV/c <sup>2</sup>	<0,007 GeV/c <sup>2</sup>
$ m(\Xi)-m(\Xi)_{PDG} $	<0,007 GeV/c <sup>2</sup>	<0,008 GeV/c <sup>2</sup>	<0,008 GeV/c <sup>2</sup>	-
pT, pi from Xic	>0.8 GeV/c	>0.8 GeV/c	>0.6 GeV/c	>0.6 GeV/c
XicPAXY	>0.992	>0.98	>0.98	>0.92
DCApi1pi2	<0.03	<0.04	<0.04	<0.04
decayLength	<0.4	<0.4	<0.4	-

Pion 3sigma PID in TPC & TOF (when present)

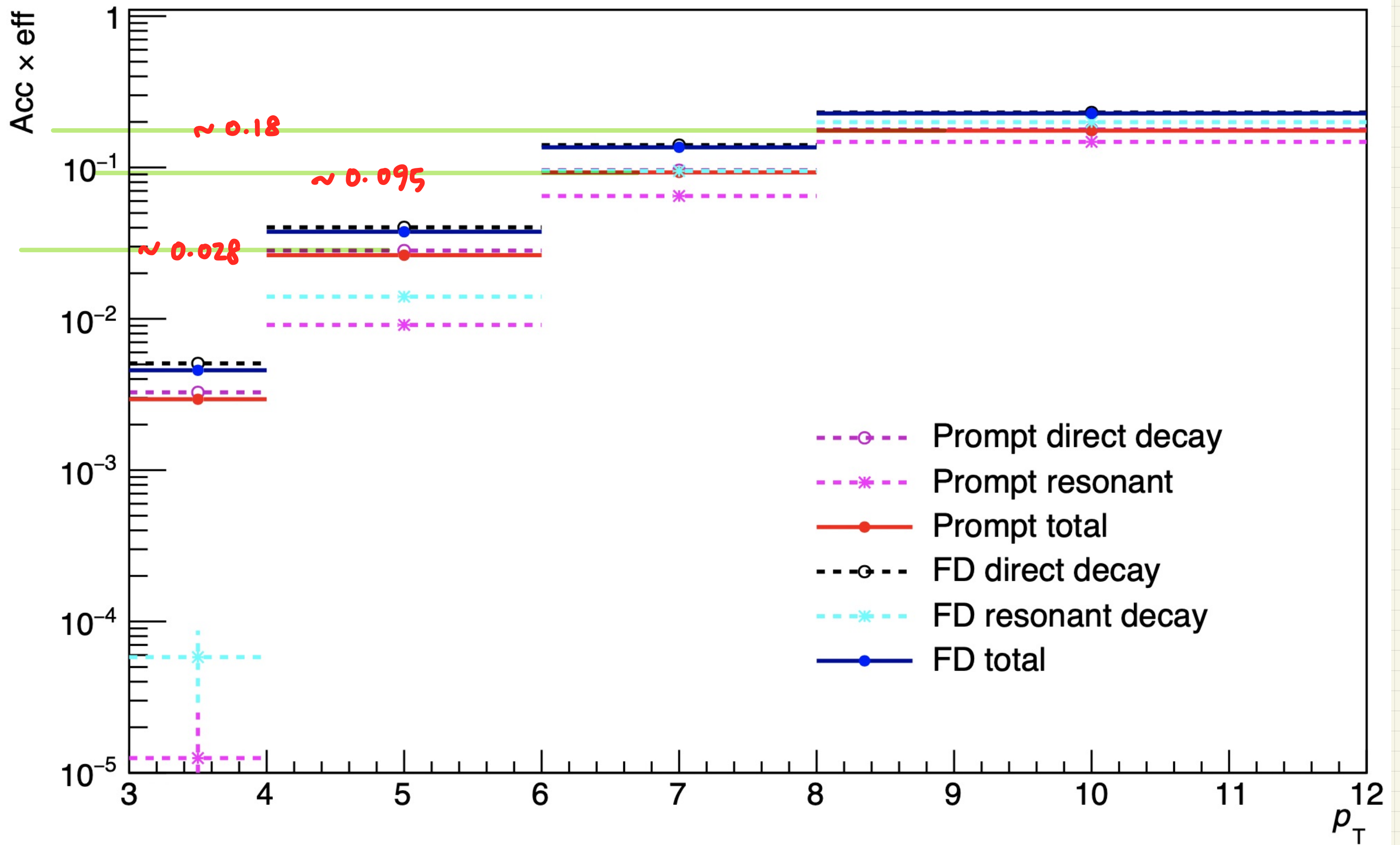
	3<pT<4	4<pT<6	6<pT<8	8<pT<12
$ m(\Lambda)-m(\Lambda)_{PDG} $	<0,006 GeV/c <sup>2</sup>	<0,006 GeV/c <sup>2</sup>	<0,007 GeV/c <sup>2</sup>	<0,007 GeV/c <sup>2</sup>
$ m(\Xi)-m(\Xi)_{PDG} $	<0,007 GeV/c <sup>2</sup>	<0,007 GeV/c <sup>2</sup>	<0,008 GeV/c <sup>2</sup>	-
pT, pi from Xic	>0.8 GeV/c	>0.7 GeV/c	>0.6 GeV/c	>0.6 GeV/c
XicPAXY	0.99	0.985	0.98	0.9
DCApi1pi2	<0.03	<0.04	<0.04	-
decayLength	-	<0.4	-	-

Pion 3sigma PID in TPC & TOF (when present)

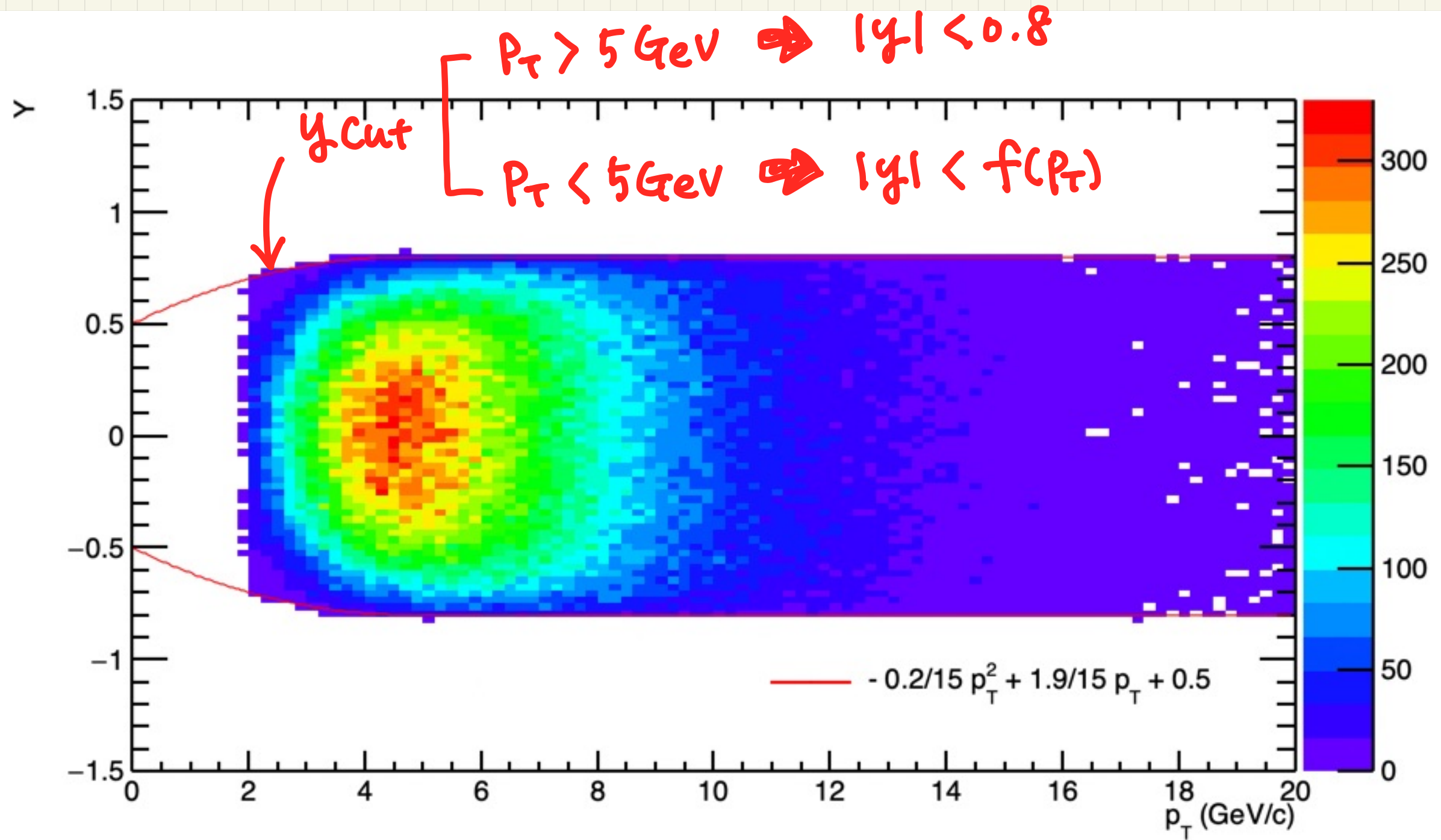




# \* Efficiency (2021.03.02. DZH)

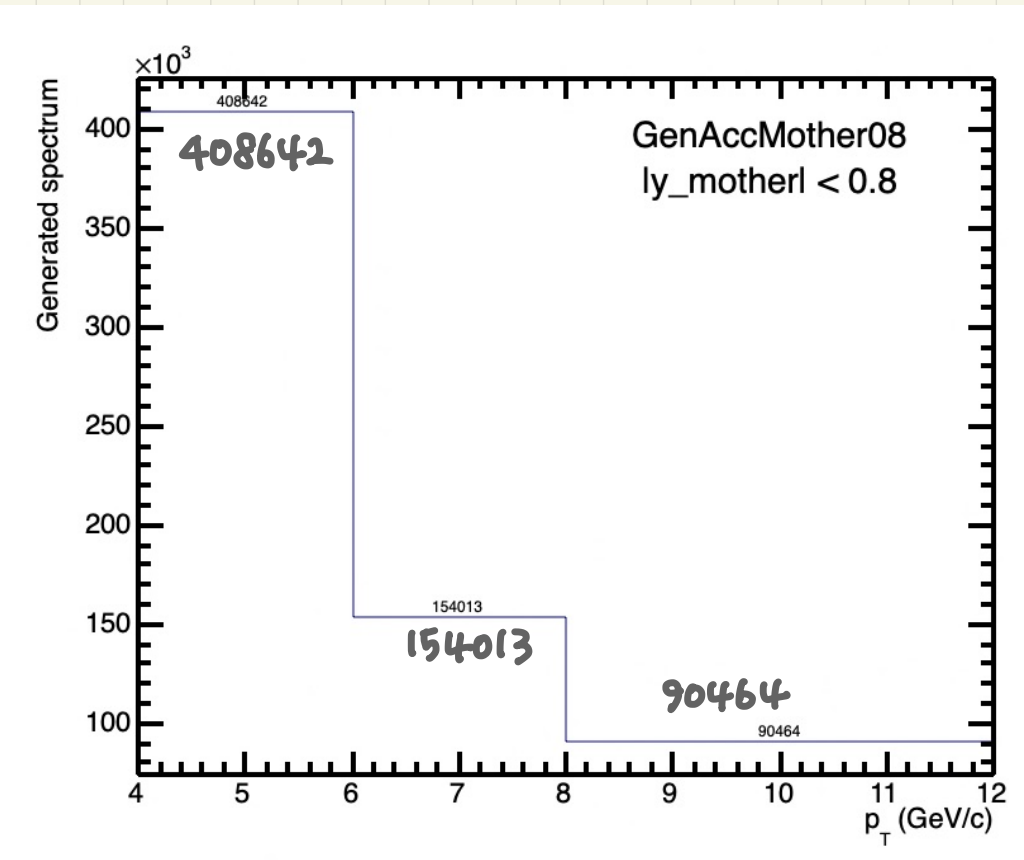
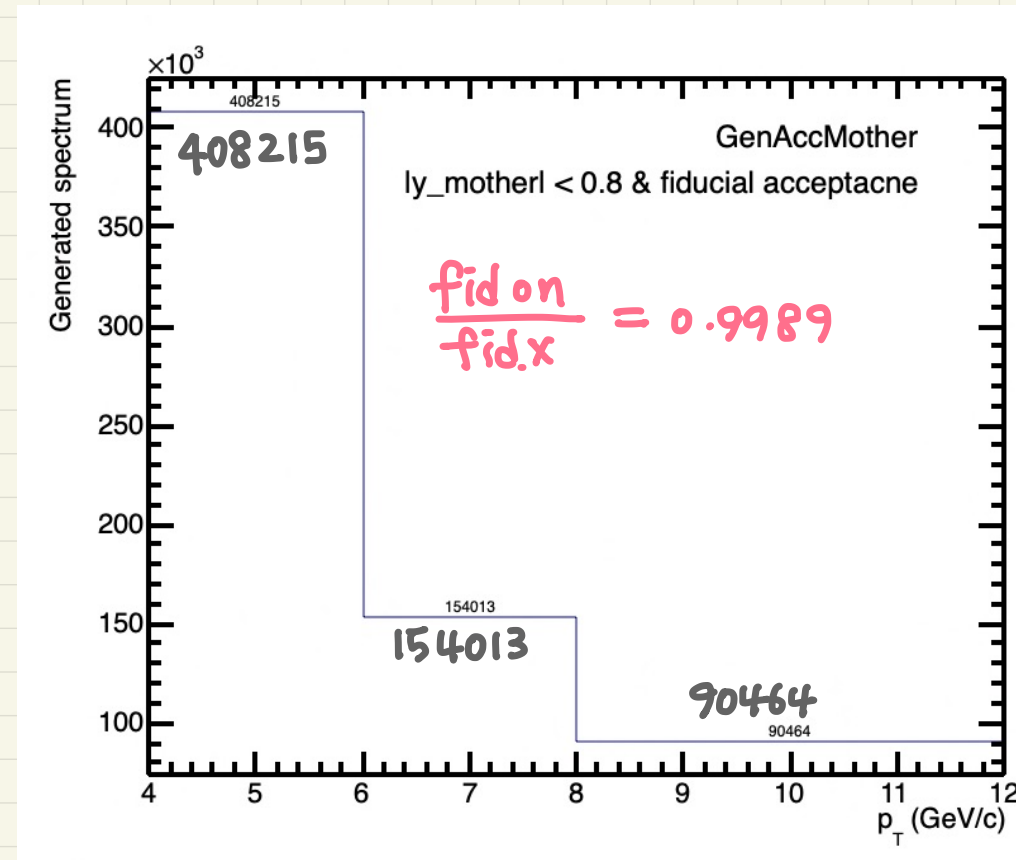


# \* Fiducial acceptance



# \* Fiducial acceptance

## i) Gen level



## ii) Sel level

