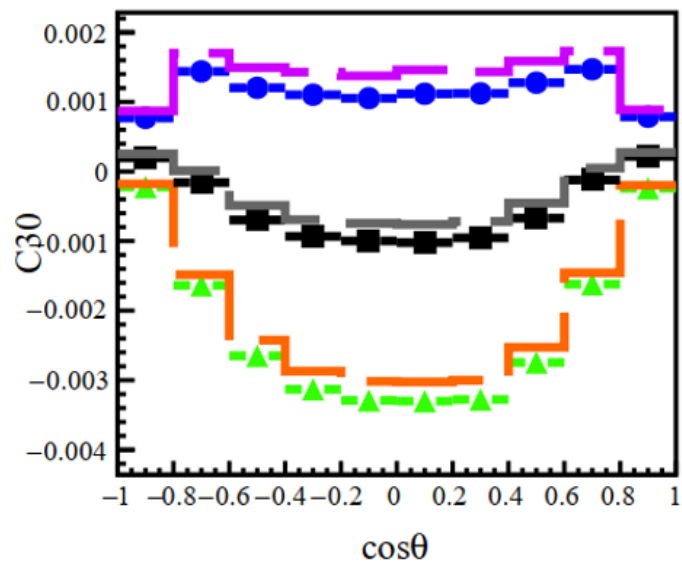
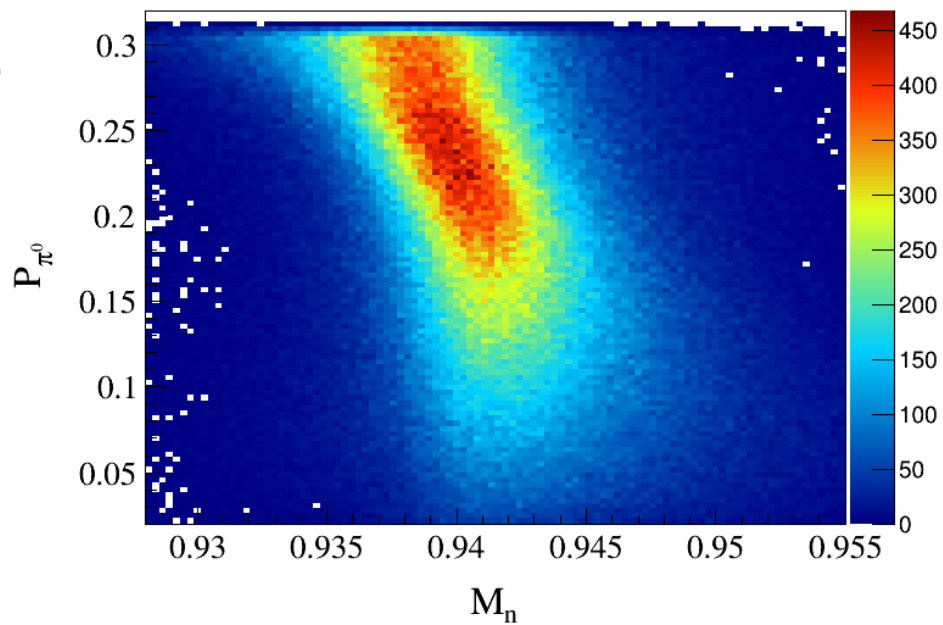
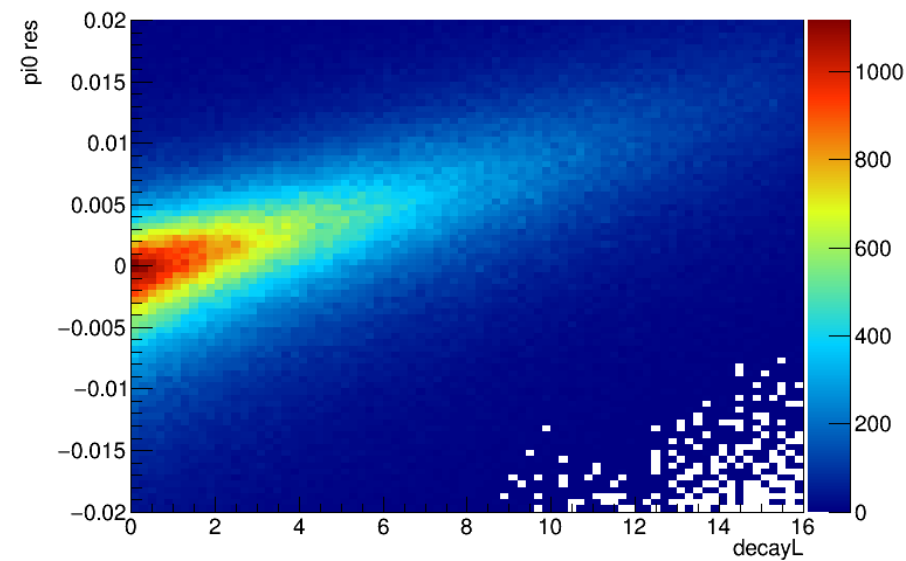
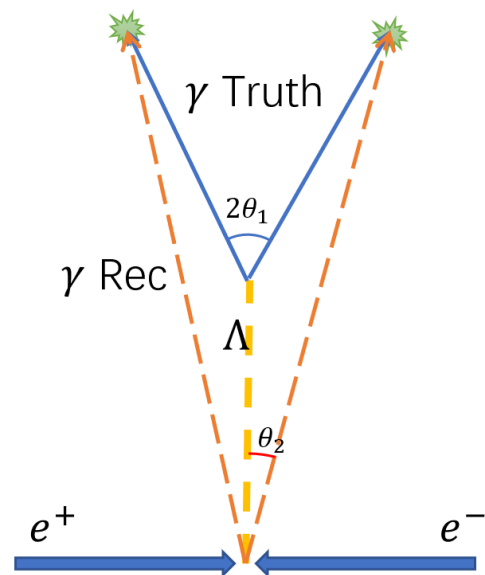
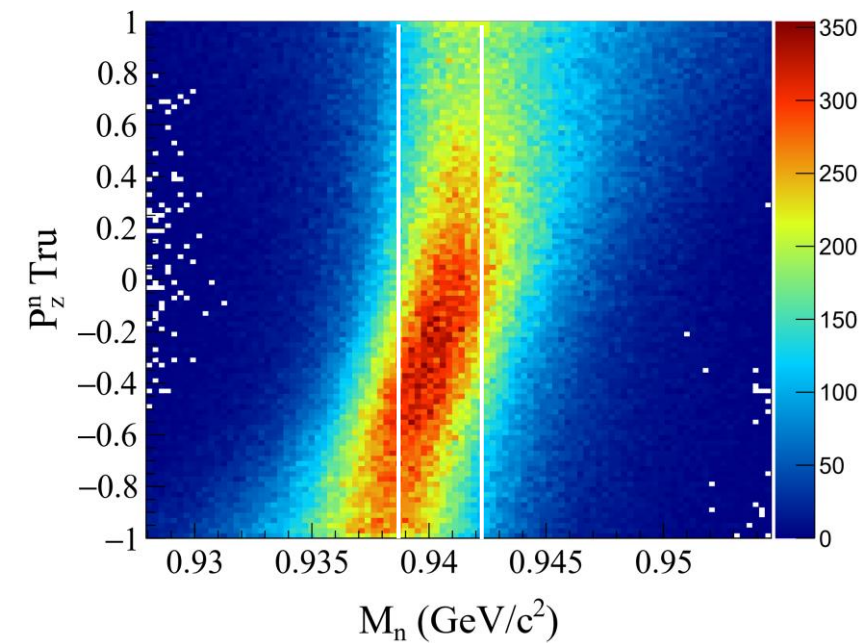


$$J/\psi \rightarrow \Lambda \bar{\Lambda}, \bar{\Lambda} \rightarrow \bar{p}\pi^+, \Lambda \rightarrow n\pi^0 \text{ for } \alpha_0$$

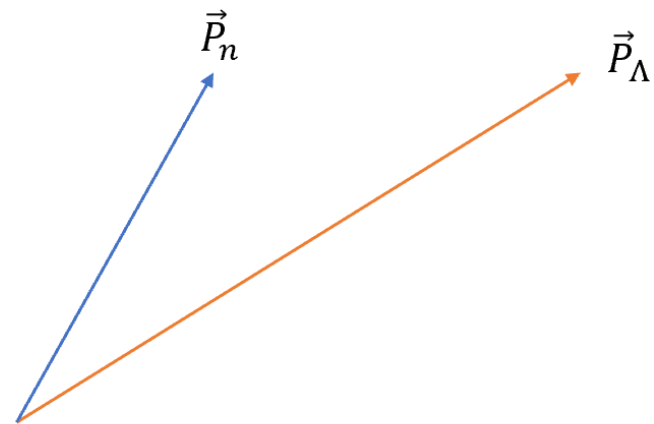
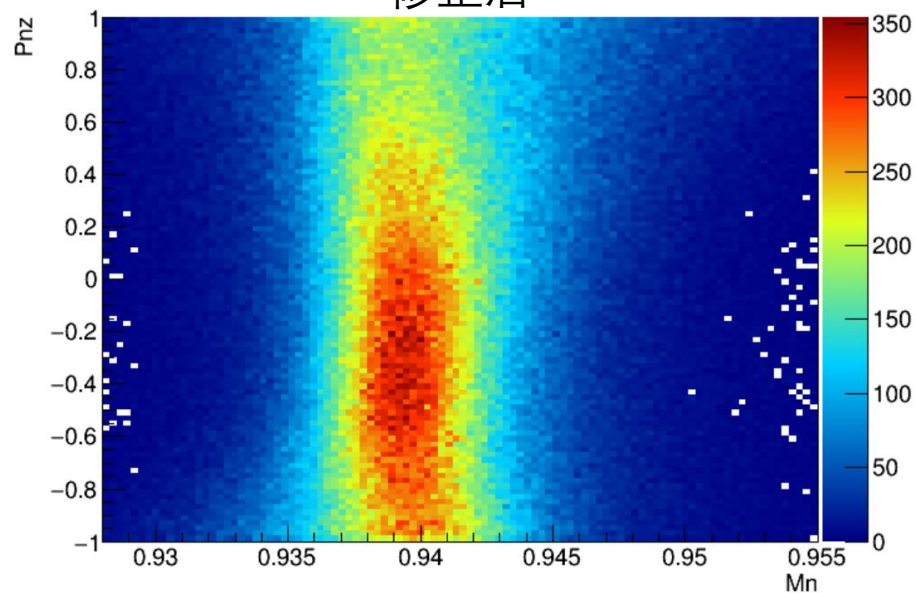
$$J/\psi \rightarrow \Lambda \bar{\Lambda}, \Lambda \rightarrow p\pi^-, \bar{\Lambda} \rightarrow \bar{n}\pi^0 \text{ for } \bar{\alpha}_0$$

- 无法重建 $\Lambda \rightarrow n\pi^0$ ($\bar{\Lambda} \rightarrow \bar{n}\pi^0$)的衰变顶点
- π^0 动量分辨出现正向偏移

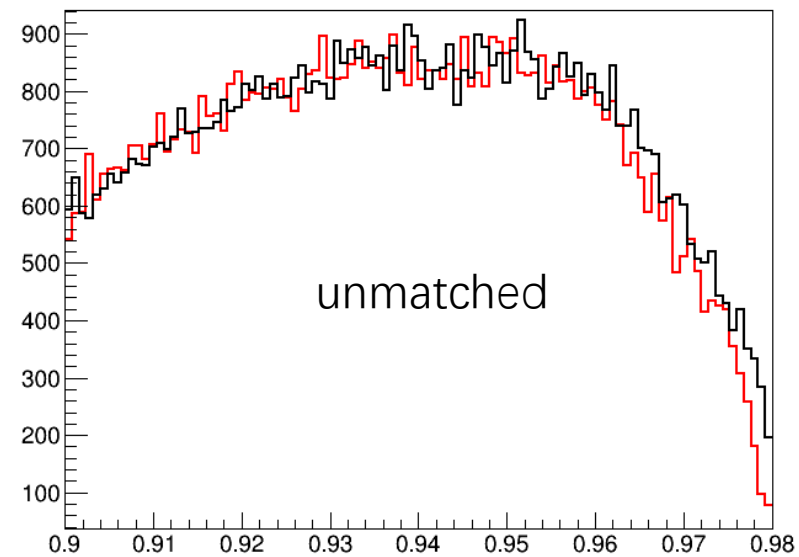
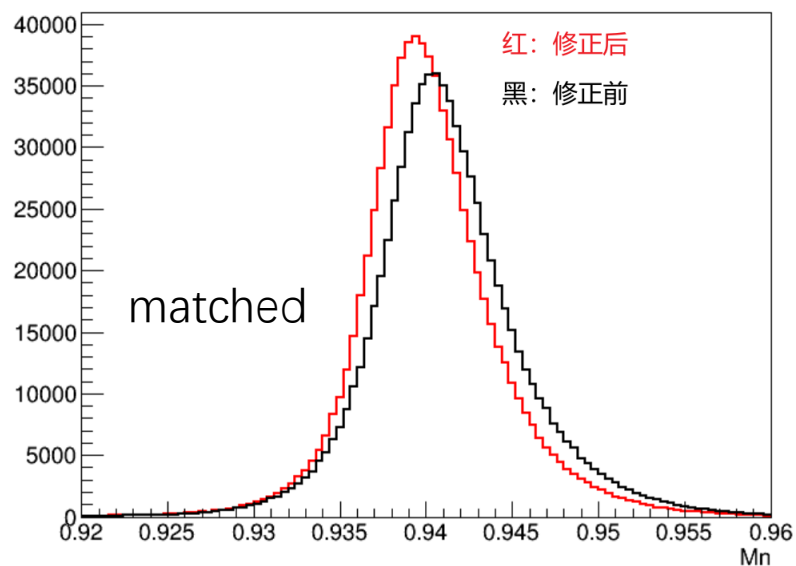
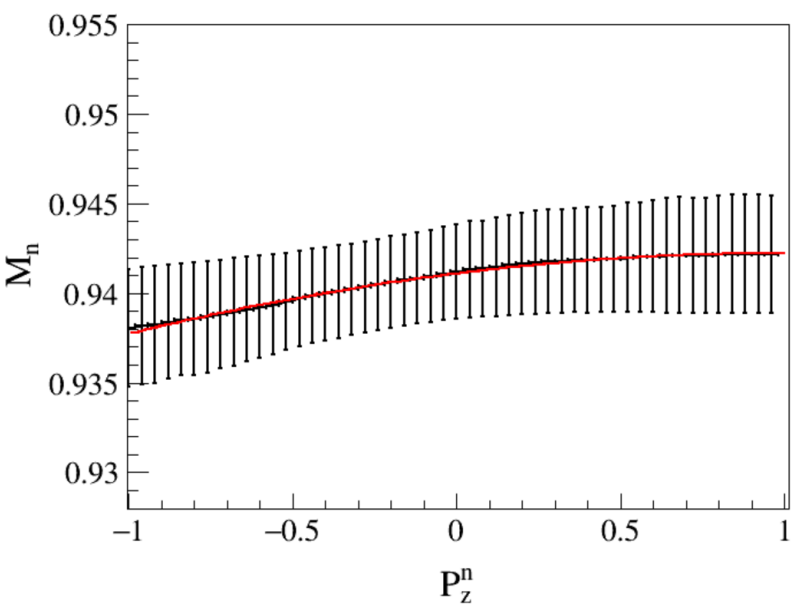


$\Lambda \rightarrow n\pi^0$ 

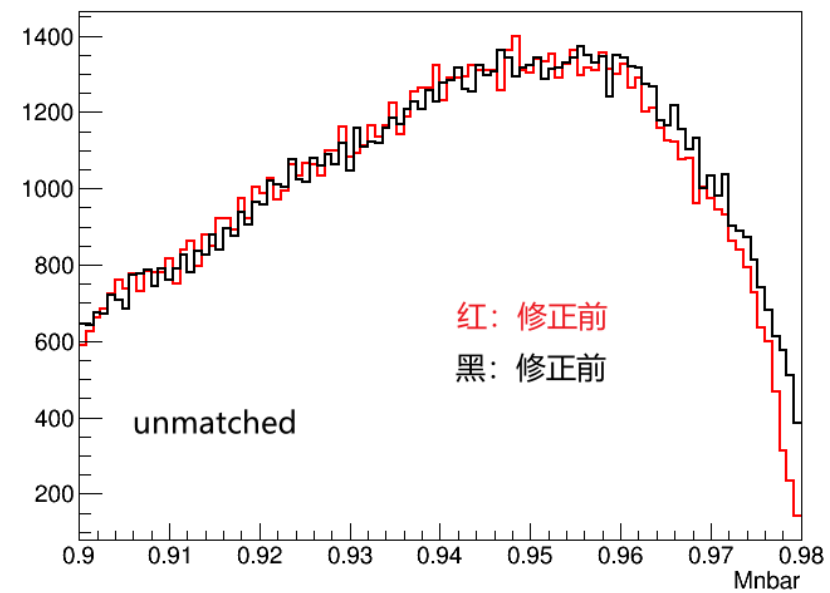
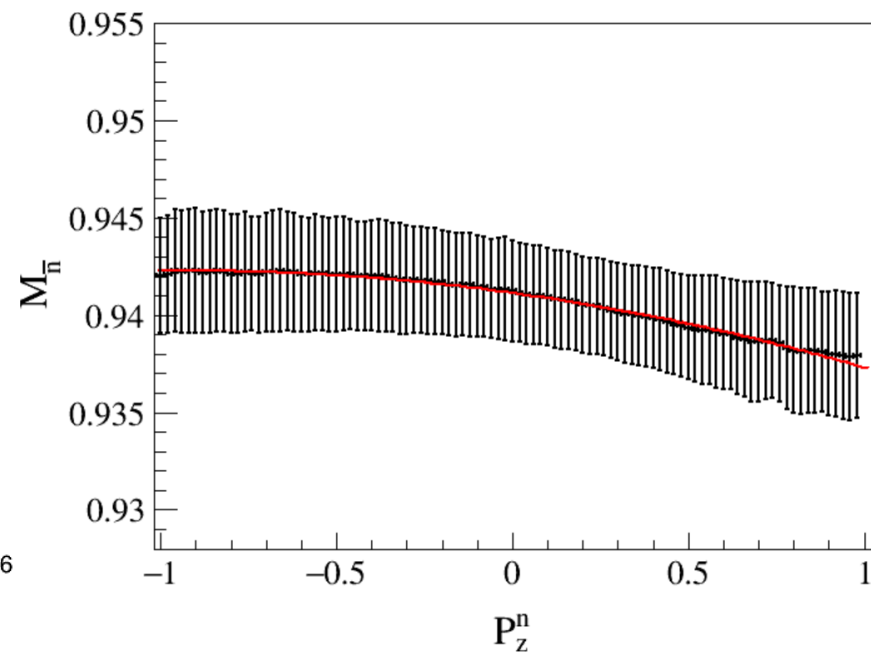
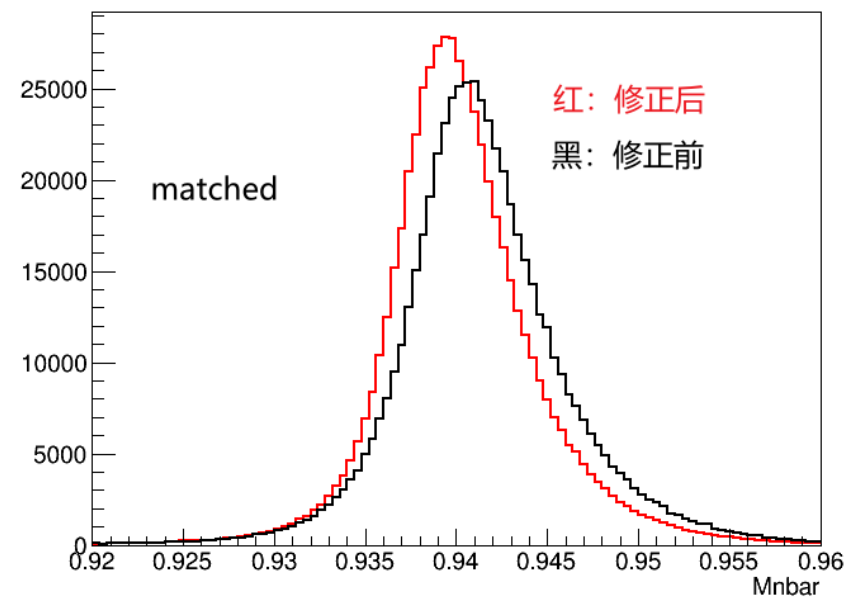
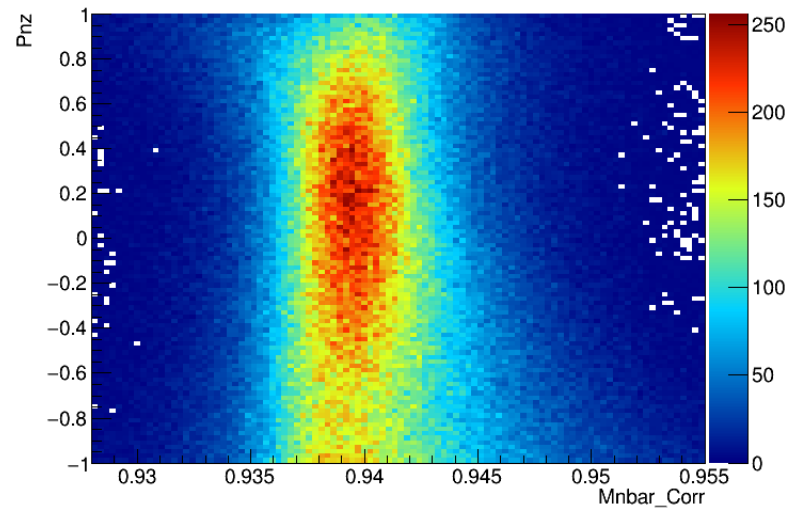
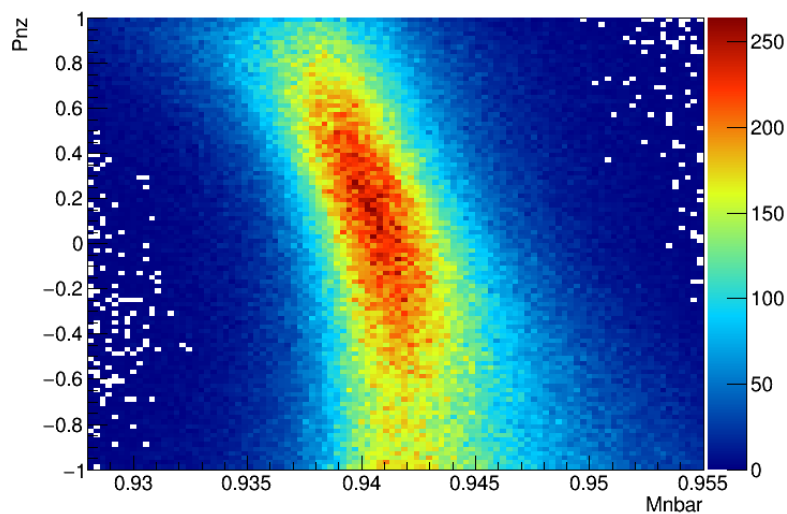
修正后

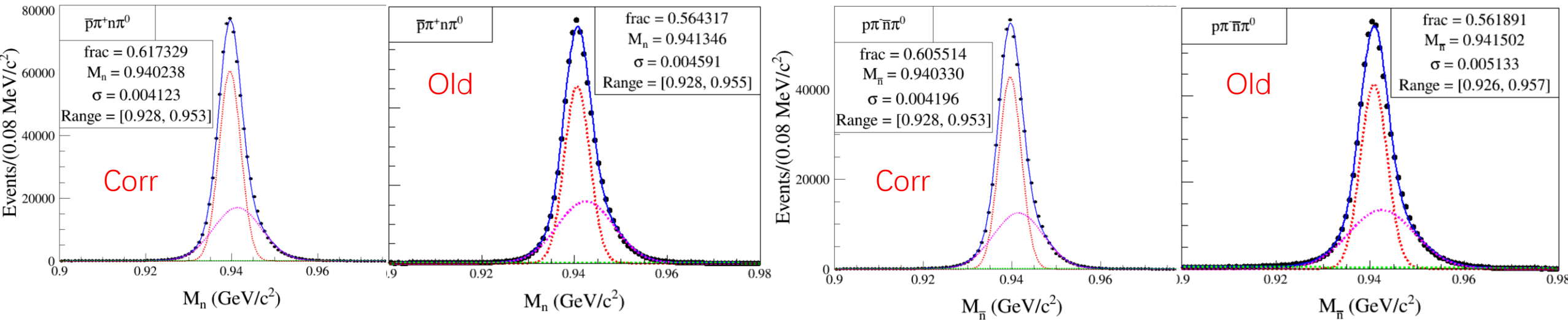


$$P_z^n = \frac{\vec{P}_n \cdot \vec{P}_\Lambda}{|\vec{P}_n| \cdot |\vec{P}_\Lambda|} = \cos\theta_{\Lambda,n}$$



$$\bar{\Lambda} \rightarrow \bar{n}\pi^0$$





	$\Lambda \rightarrow n\pi^0$		$\bar{\Lambda} \rightarrow \bar{n}\pi^0$	
	Old	Corr	Old	Corr
Mass Window	[0.928, 0.955]	[0.928, 0.953]	[0.928,0.955]	[0.928, 0.953]
Mass Width	4.591MeV	4.123MeV	5.133MeV	4.196MeV
Signal	772396	771256	555521	555211
Mis-Combine BKG	28658	26451	41938	39002
Bkg Rate	3.58%	3.32%	7.02%	6.56%

7.3% ↗

6.5% ↗