

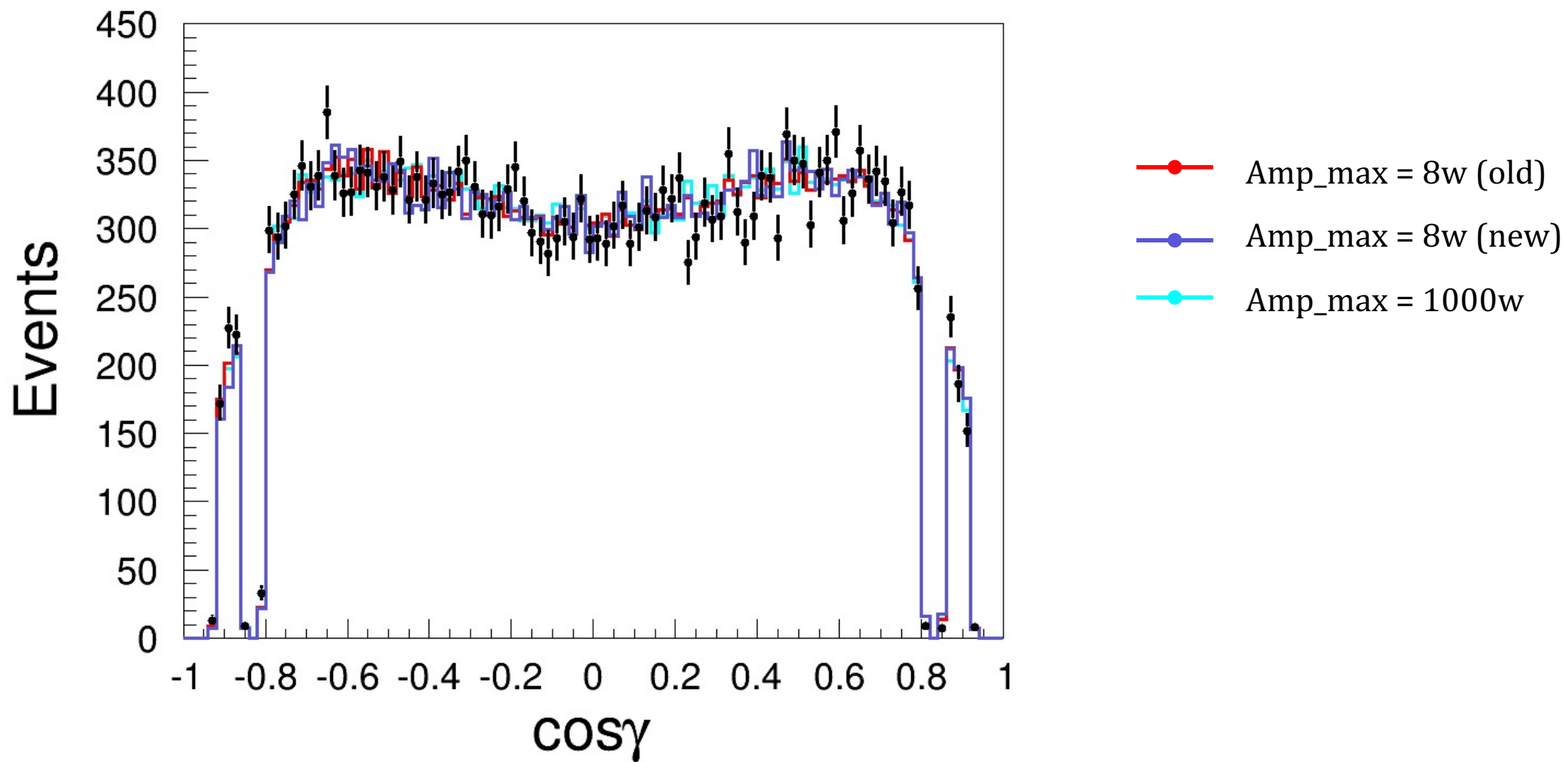
Cut	振幅极大值设为8w		振幅极大值设为8w(new 708)		振幅极大值设为1000w		振幅极大值设为1亿	
	Events	Eff(%)	Events	Eff(%)	Events	Eff(%)	Events	Eff(%)
Preselection	557810		139127		584638		50487	
$\chi^2_{4C+PID} \in [0, 60]$	468257	83.95	100919	72.54	424454	72.60	36667	72.63
M_{ee} Beam pipe	419192	89.52	90254	89.43	379794	89.48	32465	88.54
Φ_{ee}	401235	95.72	86450	95.79	363969	95.83	31088	95.76
$M_{\pi\pi ee} \in [0.91, 1.0]$	393949	98.18	85123	98.47	358401	98.47	30733	98.86
$M_{ee} \in [0.0, 0.5]$	393803	99.96	85106	99.98	358249	99.96	30693	99.87
ε		19.59		17.02		17.06		17.05

Table 4: Signal Efficiencies from MC

Cut	Efficiency ε (%)
Preselection	$26.04 \pm 0.01\%$
$\chi^2_{4C+PID} < 62$	$21.72 \pm 0.01\%$
$ M_{\eta'} - M_{\pi\pi ee} < 0.02 \text{ GeV}/c^2$	$21.09 \pm 0.01\%$
M_{ee} Fit window	$18.79 \pm 0.01\%$
M_{ee} @beam pipe	$16.16 \pm 0.01\%$
Φ_{ee}	$15.25 \pm 0.01\%$

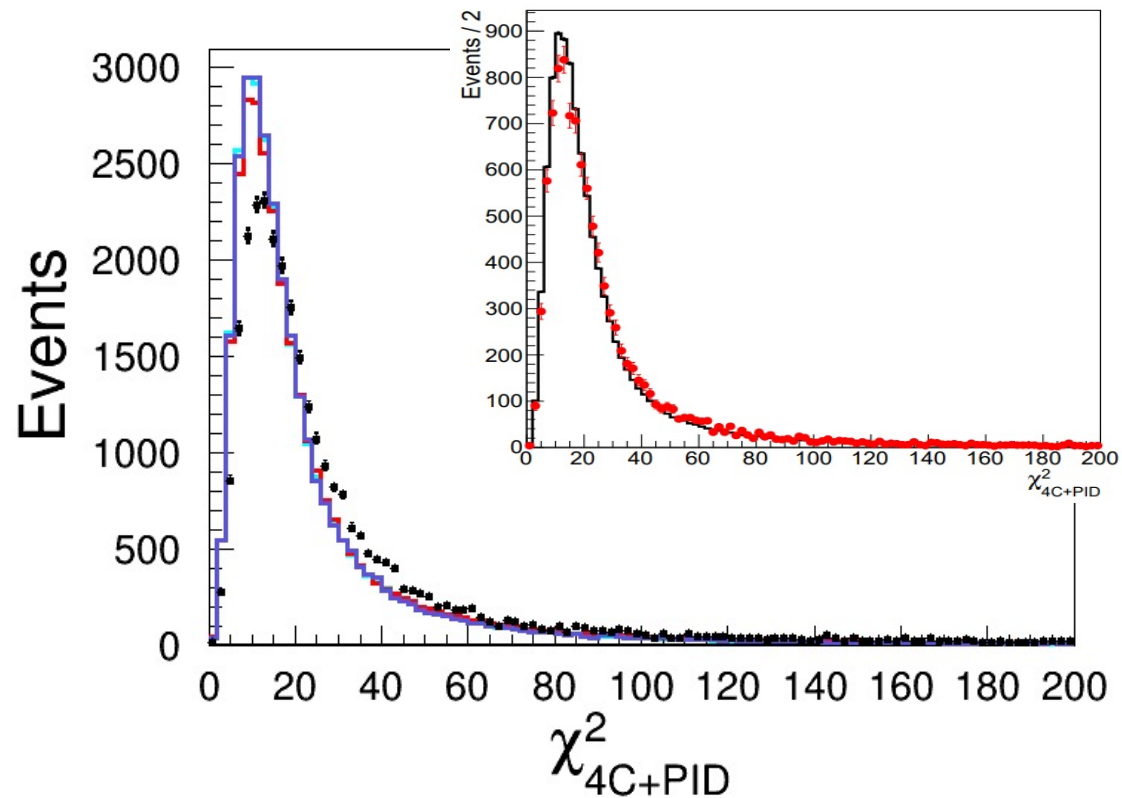
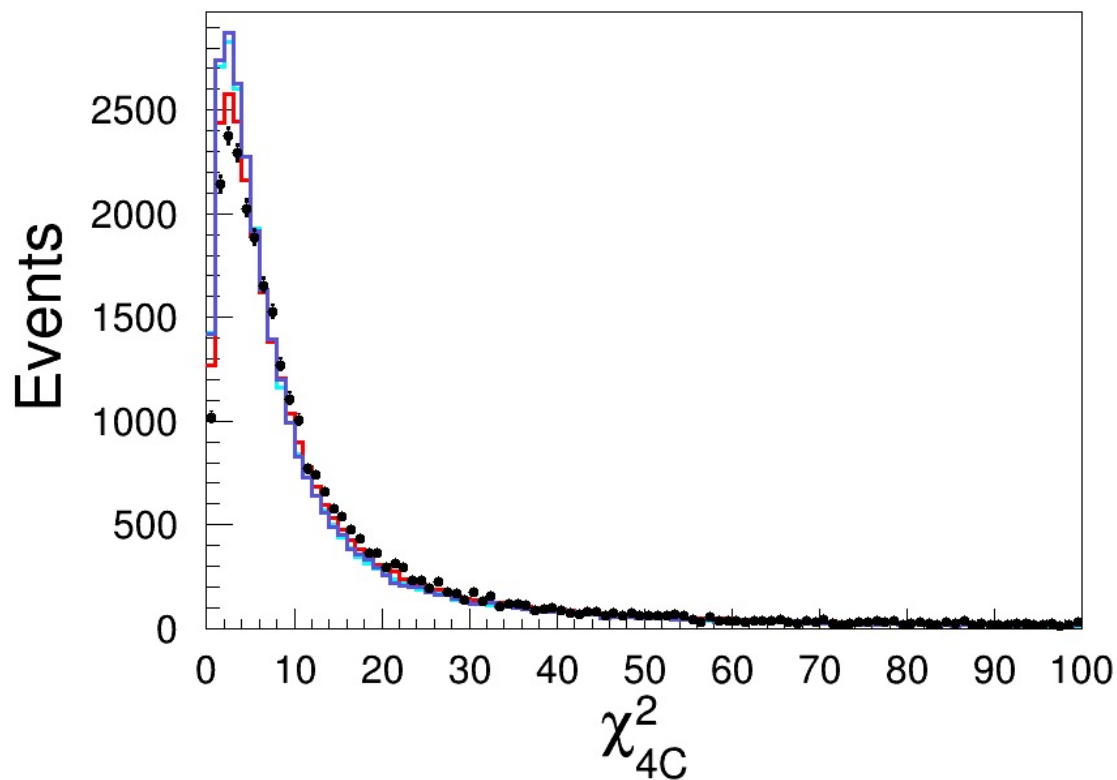
Cut	振幅极大值设为 8w		振幅极大值设为 8w(new 708)		振幅极大值设为 1000w	
	Events	Eff(%)	Events	Eff(%)	Events	Eff(%)
Preselection	557810	27.75	139127	27.83	584638	27.84
$\chi^2_{4C+PID} \in [0, 62]$	470795	23.42	101382	20.28	426540	20.31
$ M_{\eta'} - M_{\pi\pi ee} < 0.02$	450033	22.34	97577	19.52	410415	19.54
$M_{ee} \in [0.0, 0.1]$	401107	19.96	86953	17.39	366102	17.43
M_{ee} Beam pipe	362287	18.02	78513	15.70	330520	15.74
Φ_{ee}	346213	17.22	75113	15.02	316367	15.07

γ 角分布

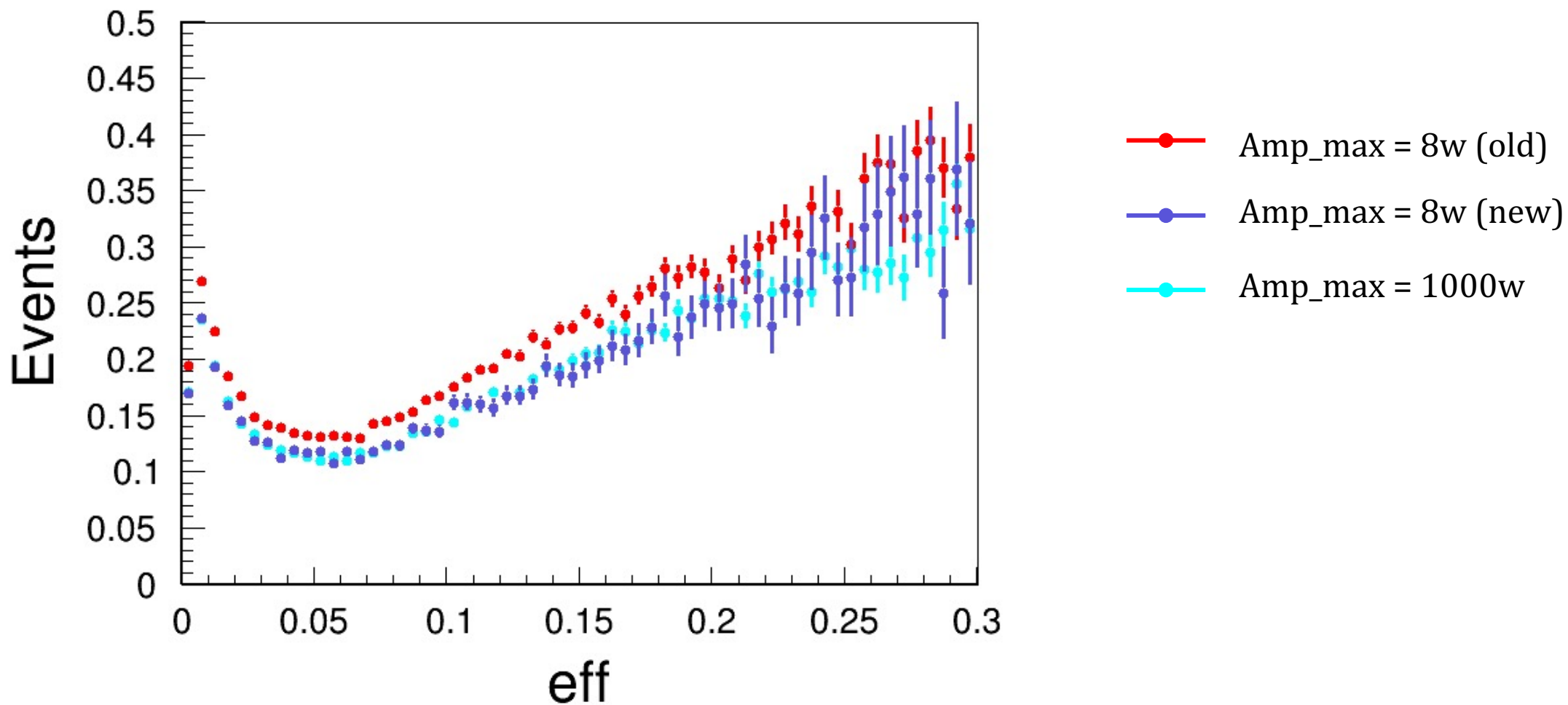


χ^2 分布

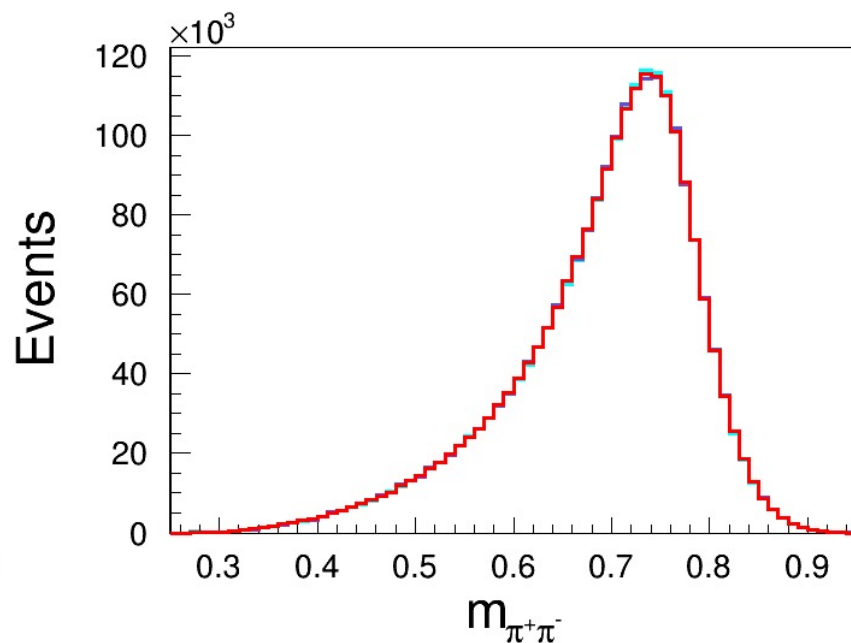
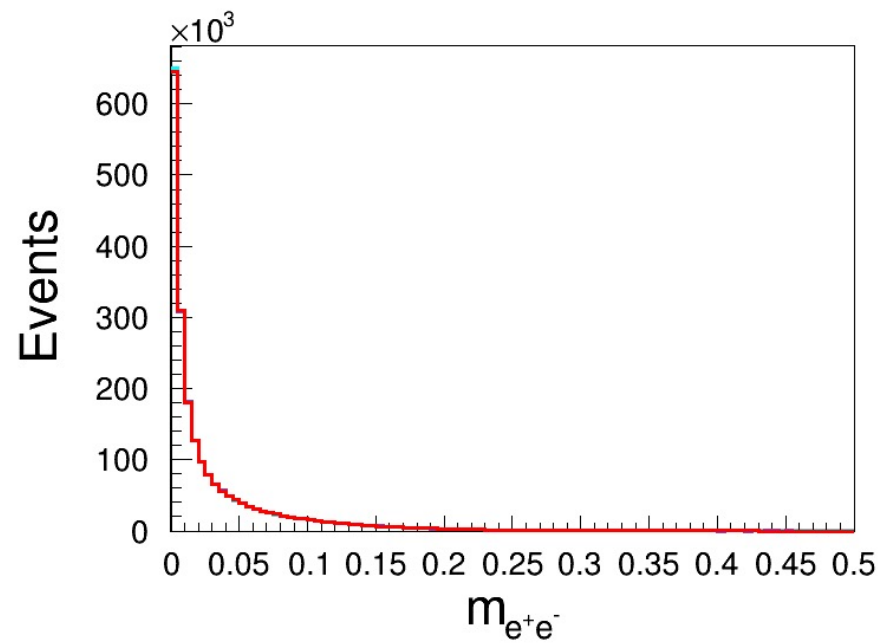
- Amp_max = 8w (old)
- Amp_max = 8w (new)
- Amp_max = 1000w



效率曲线



Truth分布



- Amp_max = 8w (old)
- Amp_max = 8w (new)
- Amp_max = 1000w

