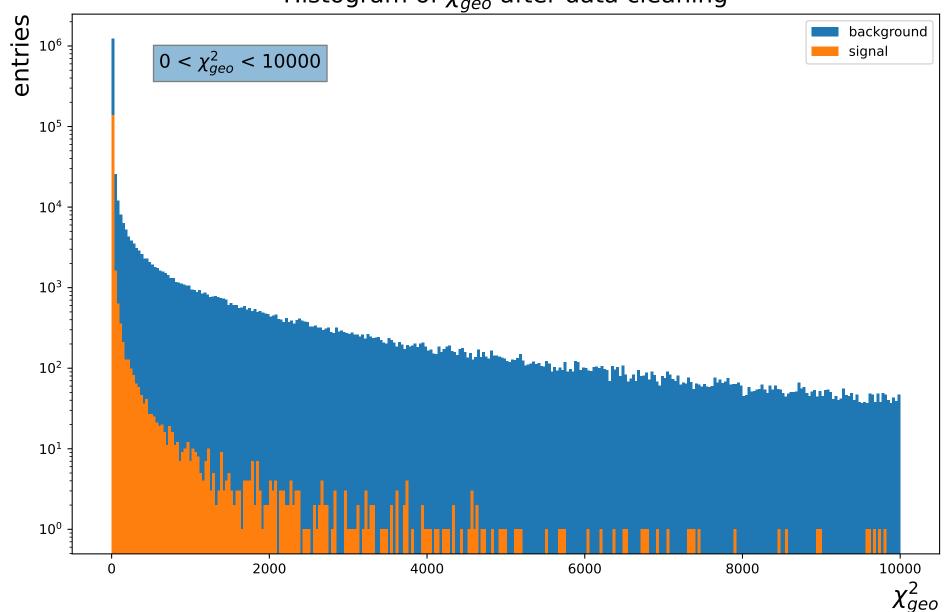
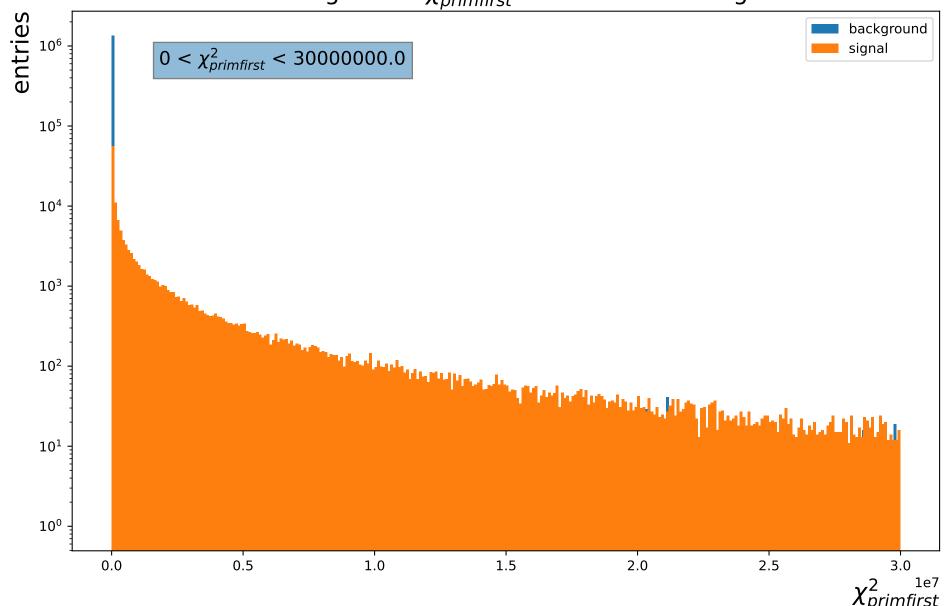
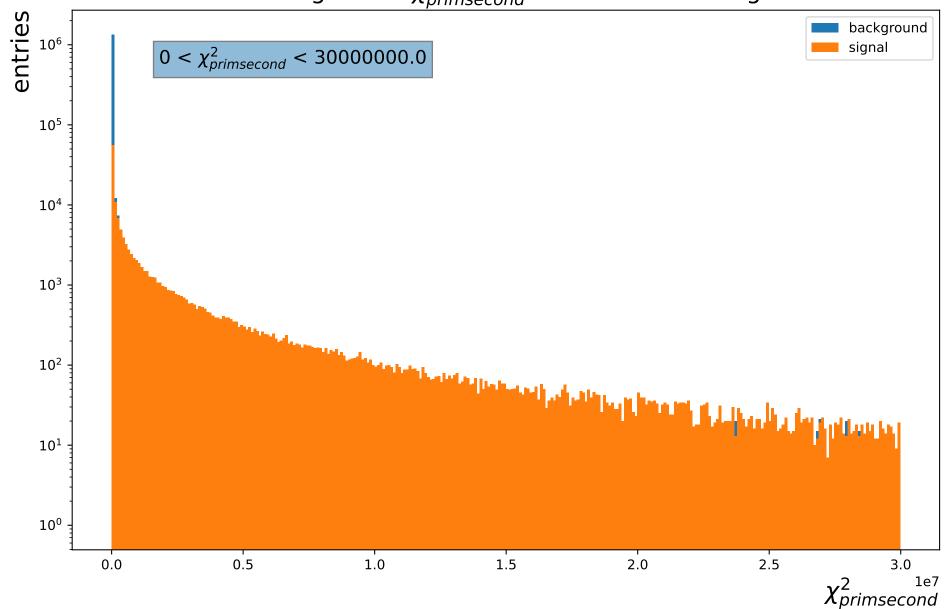
Histogram of  $\chi^2_{geo}$  after data cleaning



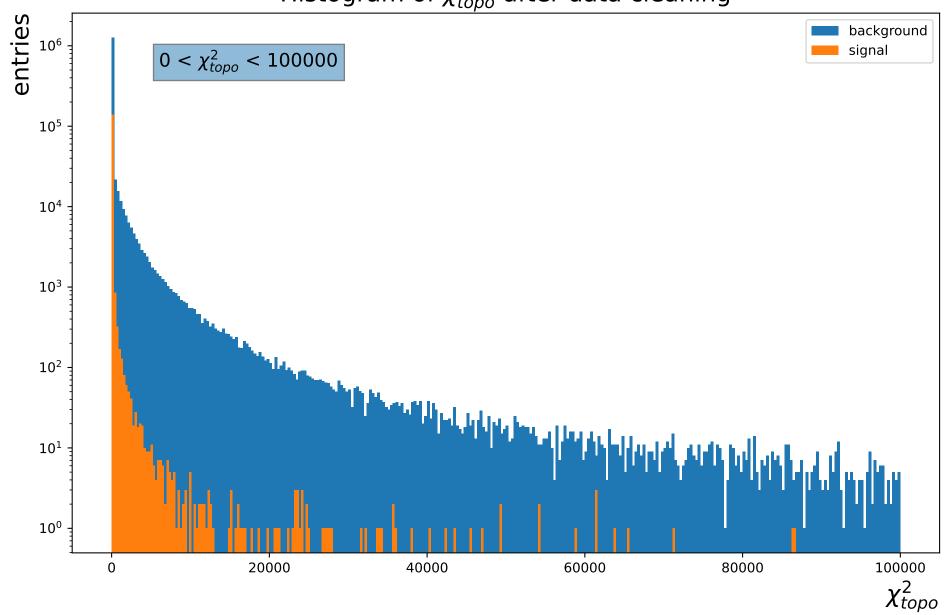
Histogram of  $\chi^2_{primfirst}$  after data cleaning



Histogram of  $\chi^2_{primsecond}$  after data cleaning

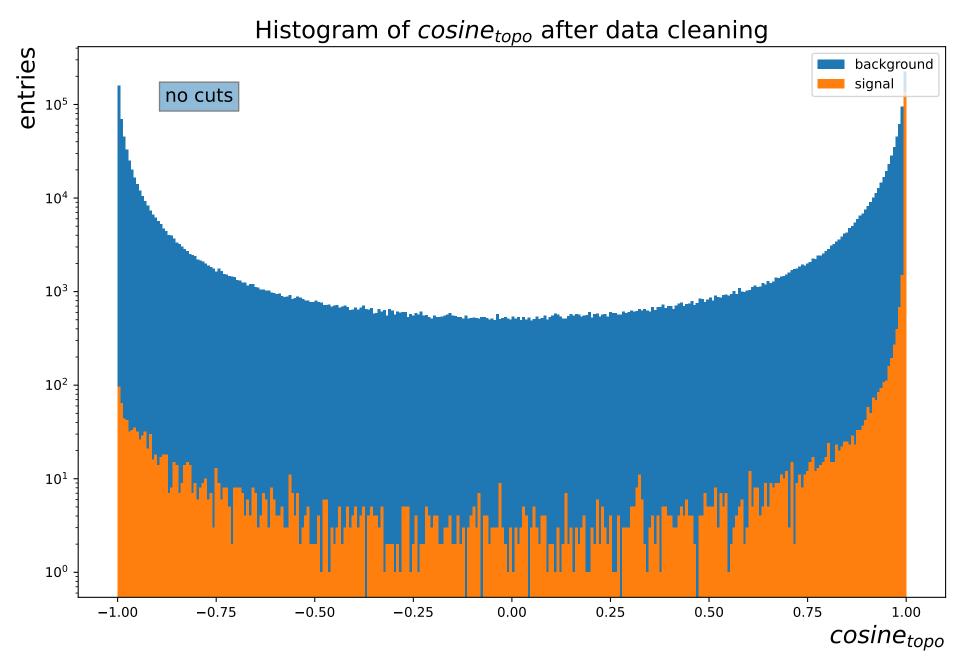


Histogram of  $\chi^2_{topo}$  after data cleaning

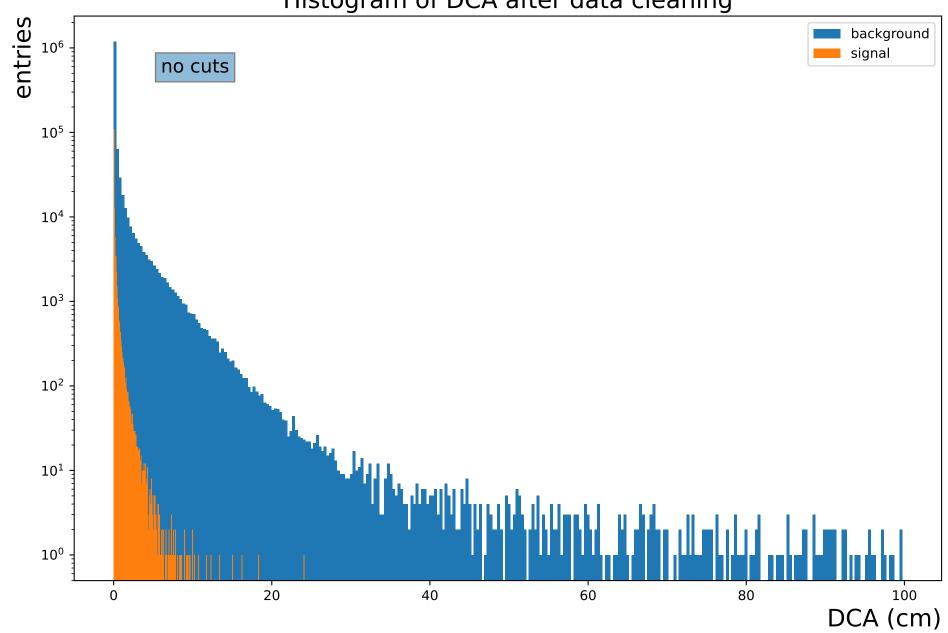


Histogram of cosine first after data cleaning entries <sup>105</sup> background signal no cuts  $10^{4}$ 10<sup>3</sup> 10<sup>2</sup> - $10^1$ 10<sup>0</sup> 0.4 0.8 -0.2 0.6 1.0 0.0 cosine<sub>first</sub>

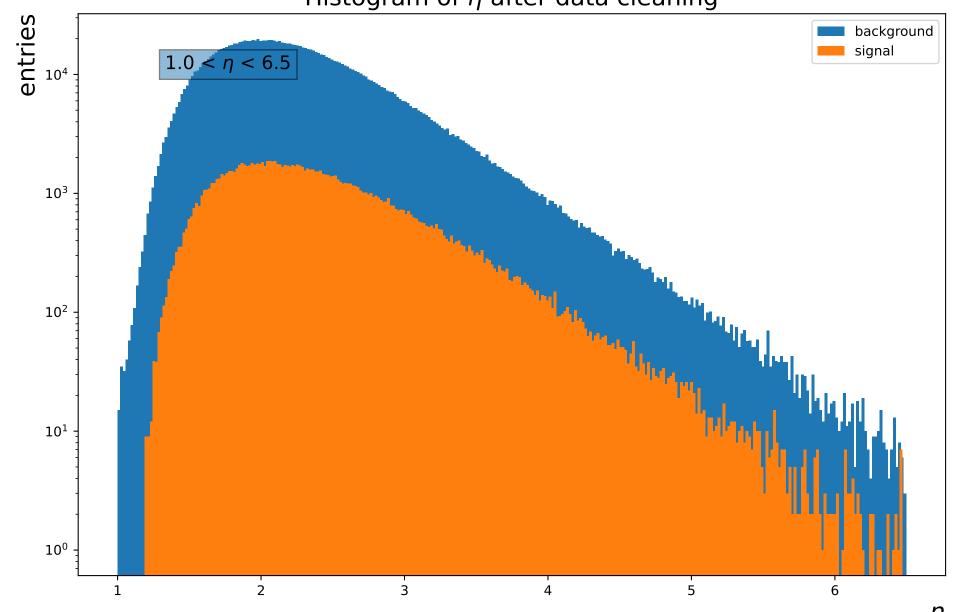
Histogram of cosine second after data cleaning entries <sup>105</sup> background signal no cuts  $10^{4}$ 10<sup>3</sup> 10<sup>2</sup> -10<sup>1</sup>  $10^{0}$ 0.2 0.4 0.6 0.8 -0.20.0 1.0 -0.4cosine<sub>second</sub>



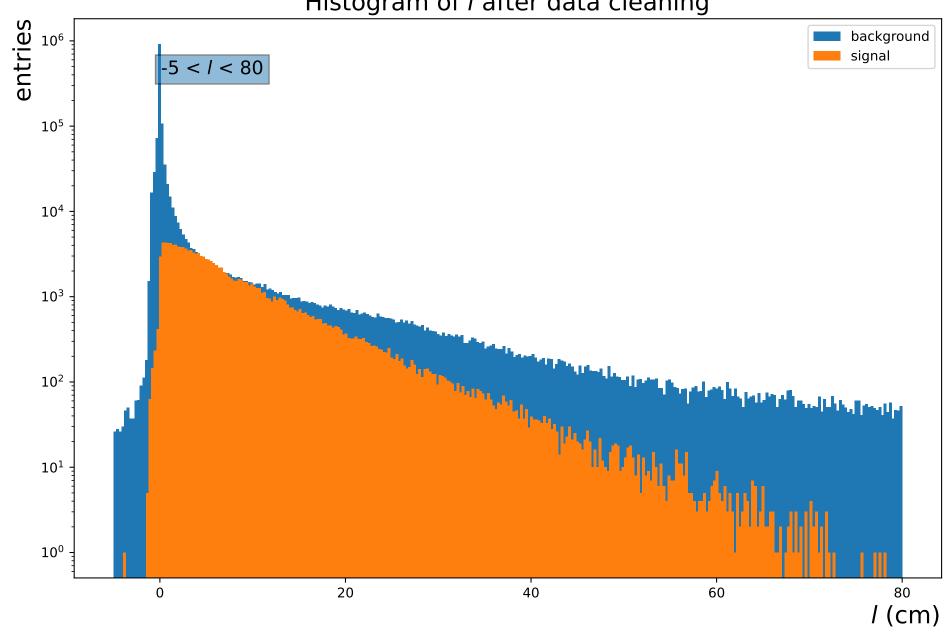
Histogram of DCA after data cleaning



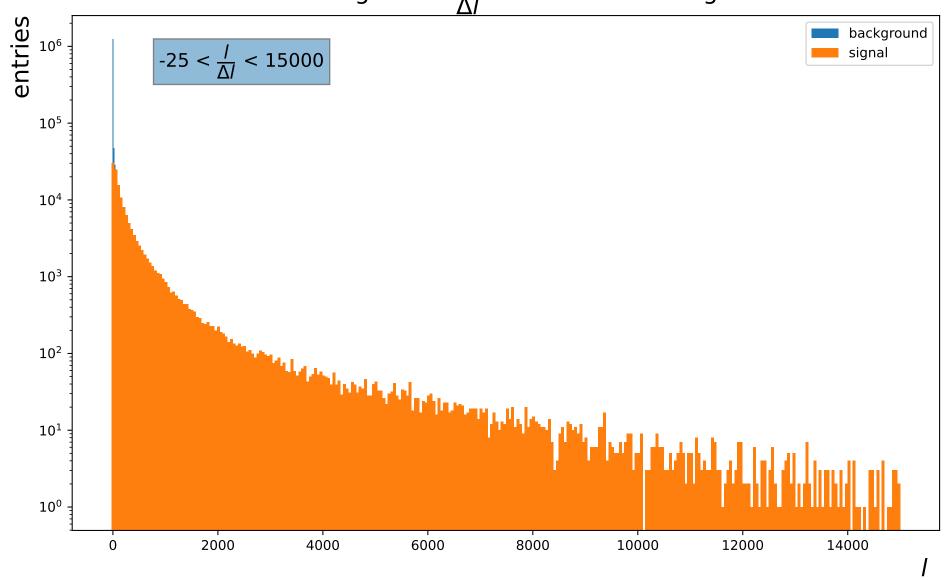
Histogram of  $\eta$  after data cleaning



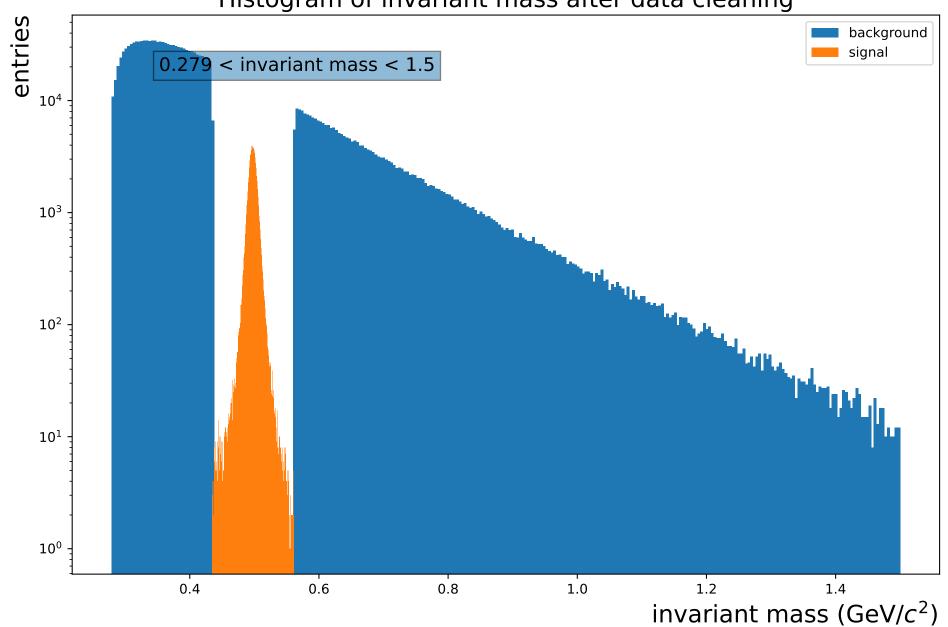
Histogram of *I* after data cleaning



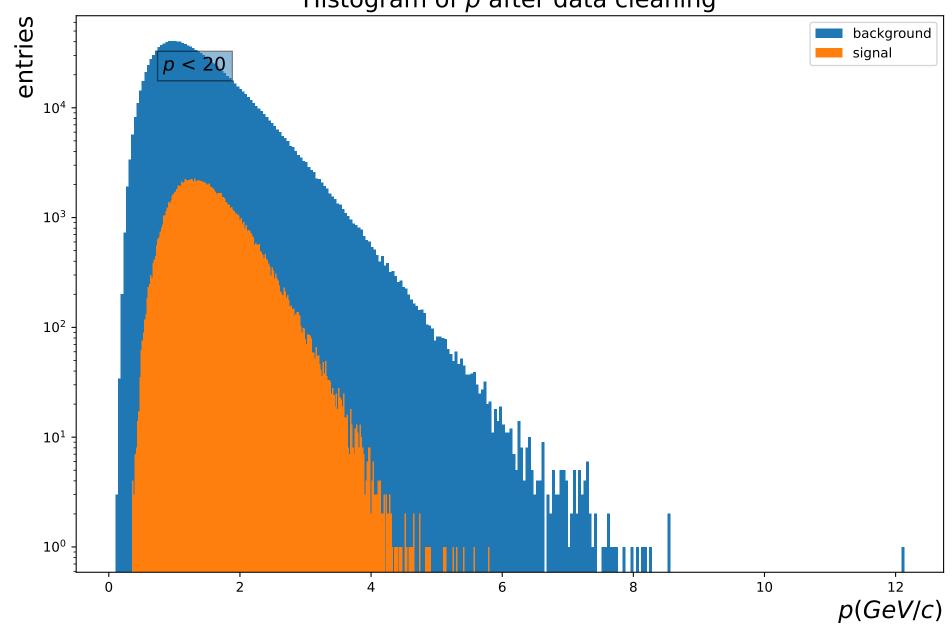
Histogram of  $\frac{I}{\Lambda I}$  after data cleaning



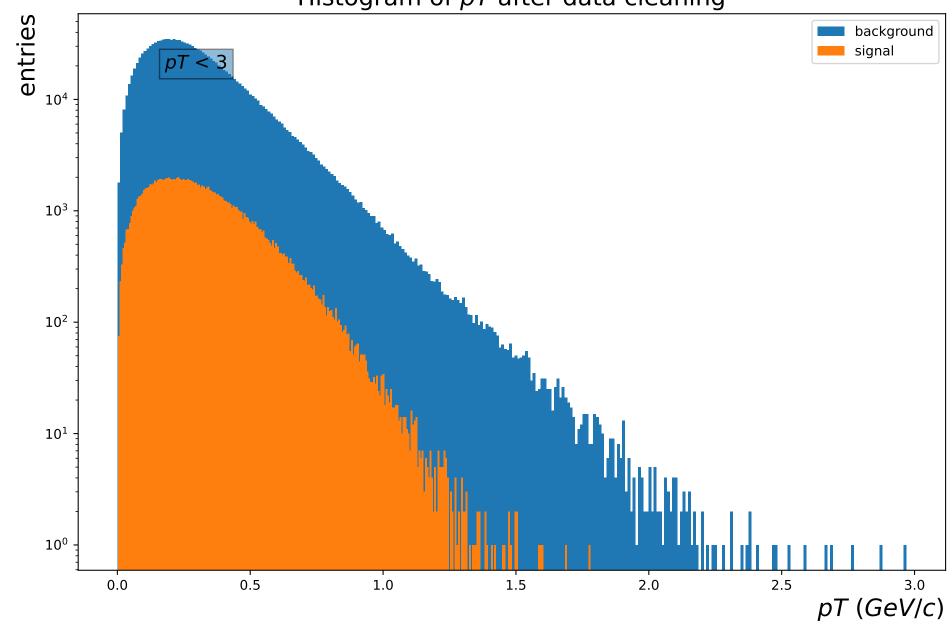
Histogram of invariant mass after data cleaning

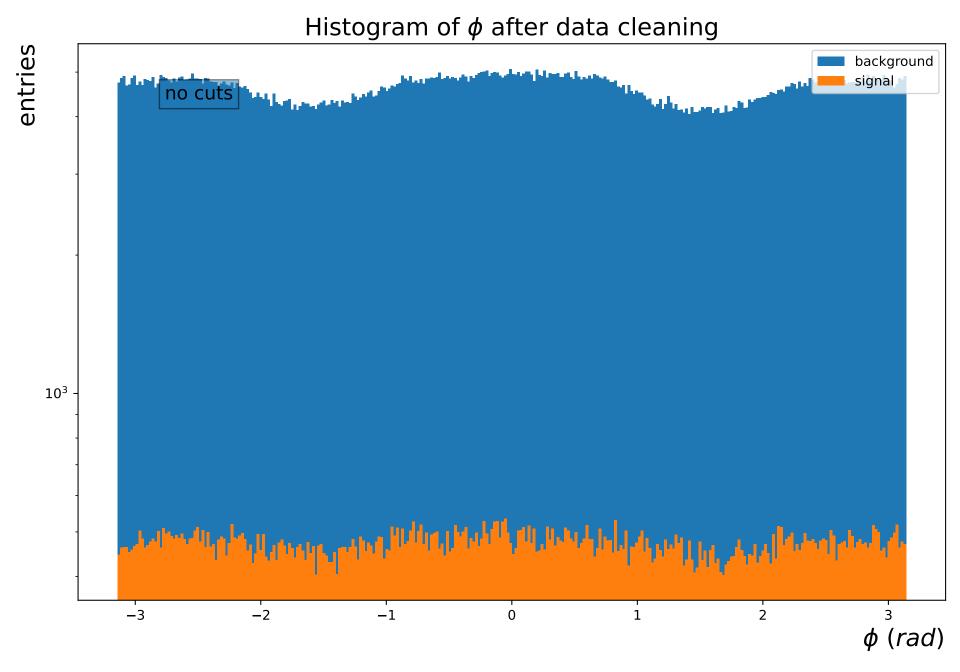


Histogram of p after data cleaning

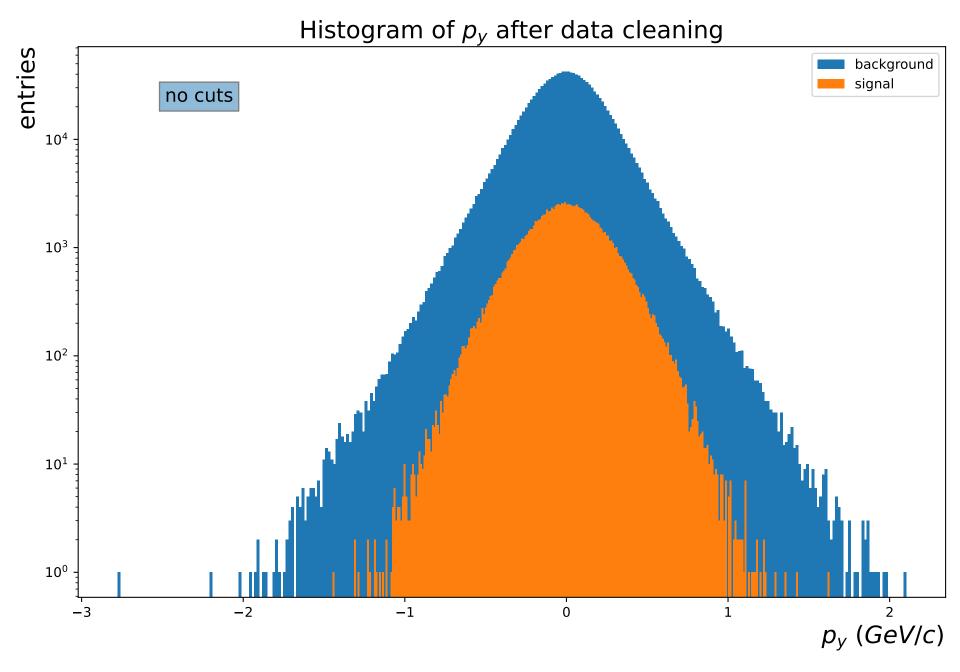


Histogram of pT after data cleaning

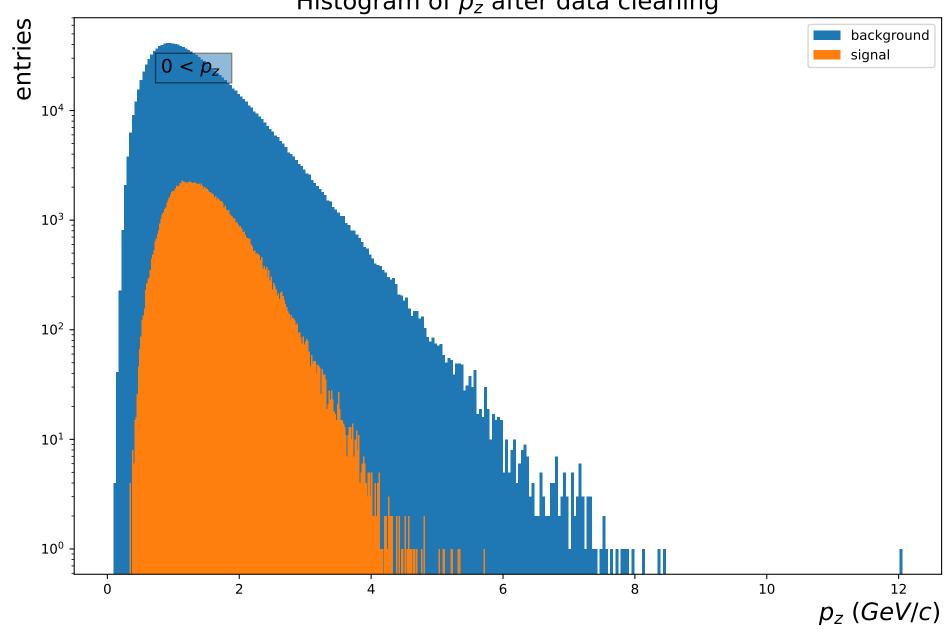




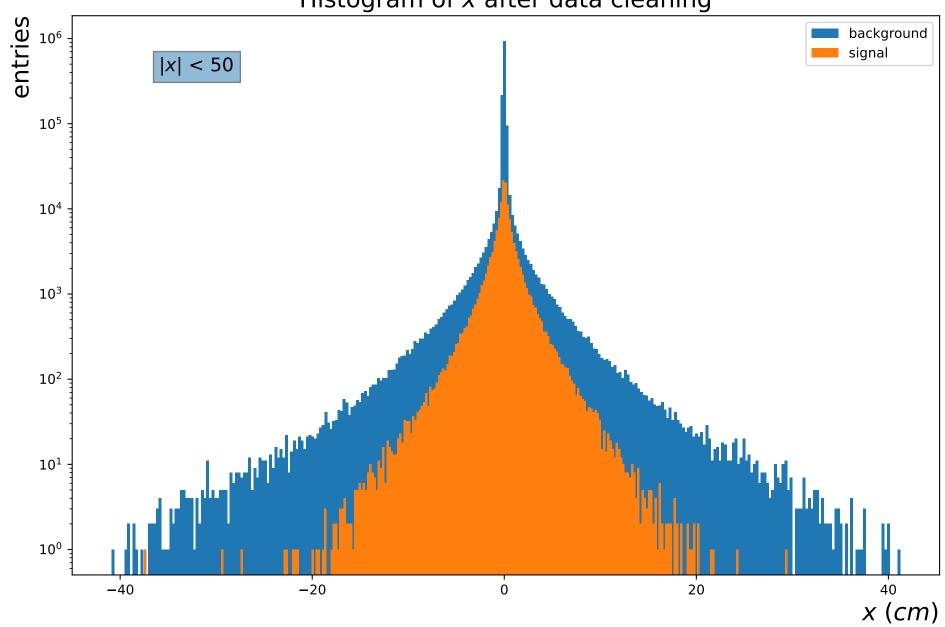
Histogram of  $p_x$  after data cleaning entries background signal no cuts 104 = 10<sup>3</sup> -10<sup>2</sup> -10<sup>1</sup> -10<sup>0</sup> -1 Ó  $p_X$  (GeV/c)



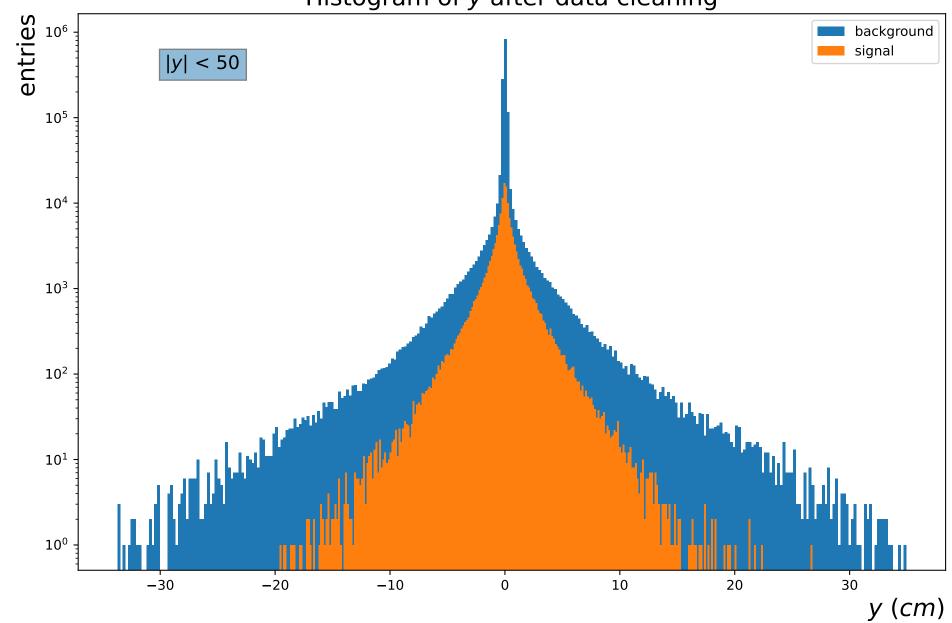
Histogram of  $p_z$  after data cleaning



Histogram of rapidity after data cleaning entries background signal no cuts 10<sup>3</sup> -10<sup>2</sup> 10<sup>1</sup> -10<sup>0</sup> -1.0 3.0 0.5 1.5 2.0 2.5 rapidity Histogram of x after data cleaning



Histogram of y after data cleaning



Histogram of z after data cleaning entries 10<sup>6</sup> d background signal -1 < *z* < 80  $10^{5}$  $10^{4}$ 10<sup>3</sup> 10<sup>2</sup>  $10^1$ 10<sup>0</sup> = 10 30 40 20 50 60 70 80 0 *z* (*cm*)