

Check of the final pass 2 files
(v. 8.7.0)
and comparison to pass 1
for photons and pi0

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pass-2 release tag 8.7.0

/volatile/clas12/rg-a/production/pass0/Spring19/sp19_dst_v1_30/dst/

6616 (5 nA),

6618, 6723 (10 nA)

6642, 6670, 6712, 6714, 6716, 6718, 6728, 6769 (50 nA, production runs)

$e p \rightarrow e \pi^0 X$

- Electron and at least 2 photons detected in the FD only
- $Q^2 > 1.0 \text{ GeV}^2$ $W > 2 \text{ GeV}$ $y < 0.75$

Regular version:

- $1.25 \text{ GeV} < p_{\pi^0} < 5 \text{ GeV}$ $5^\circ < \theta < 35^\circ$
- $E_{\gamma} > 0.5 \text{ GeV}$
- cut on angle between e^- and $\gamma > 8^\circ$
- cut on gg opening angle versus energy

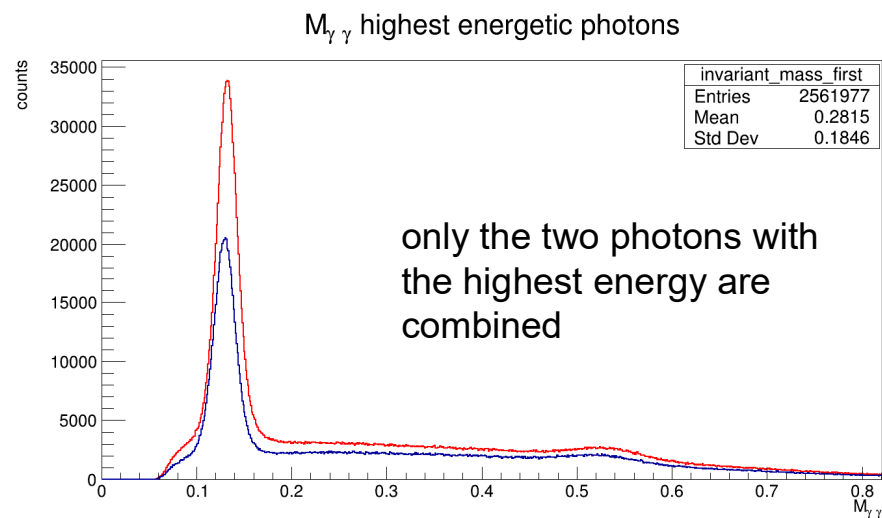
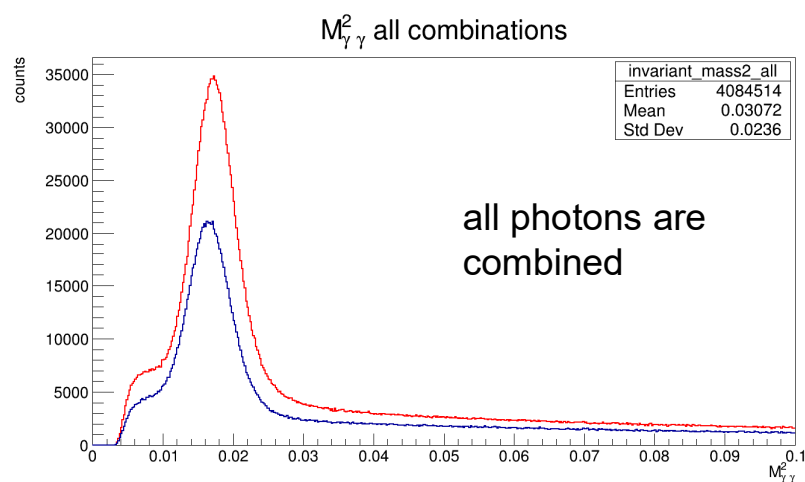
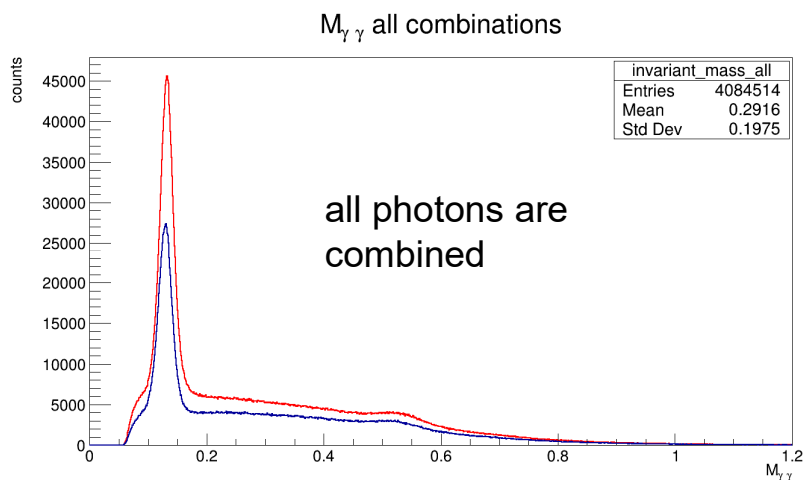
No cut version:

- All cuts of the regular version have been removed

$e p \rightarrow e \pi^0 X$

Regular version:

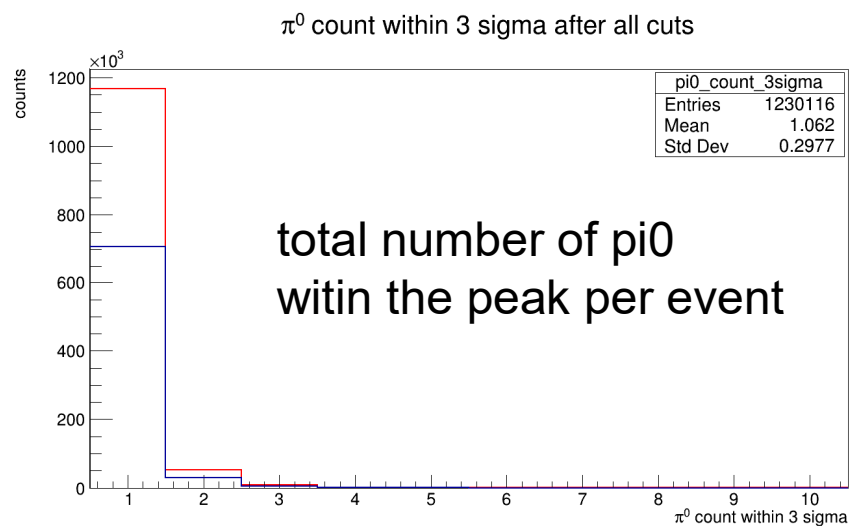
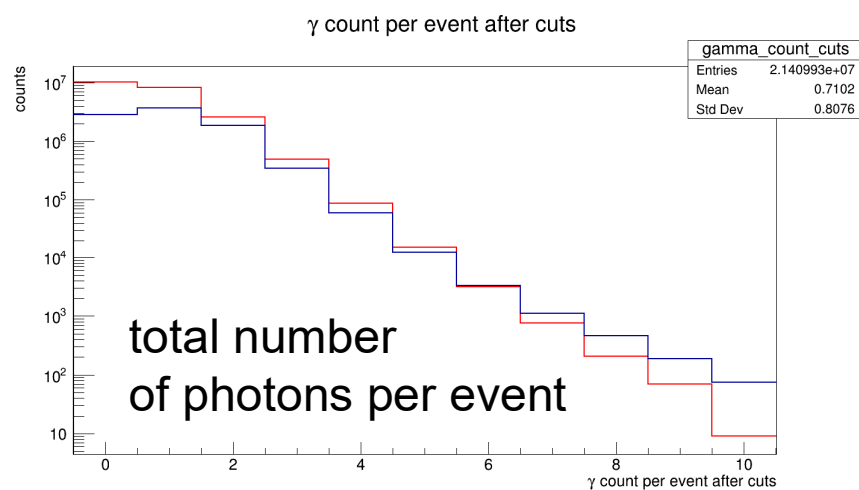
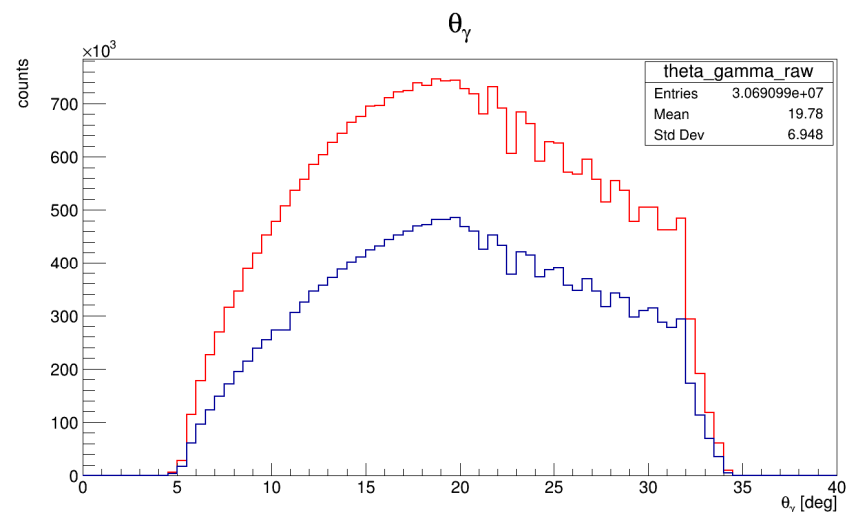
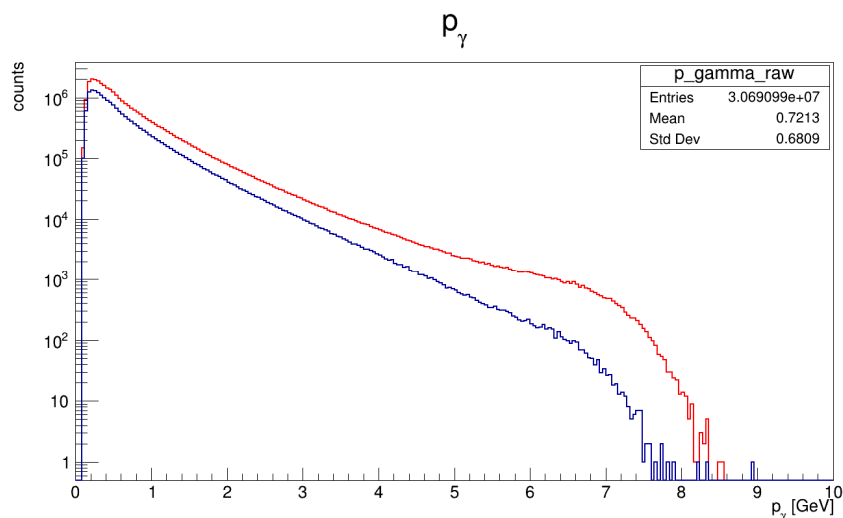
blue: pass 1 red: pass 2 (8.7.0) same runs



$e p \rightarrow e \pi^0 X$

Regular version:

blue: pass 1 red: pass 2 (8.7.0) same runs



$e p \rightarrow e \pi^0 X$

Nocut version:

blue: pass 1 red: pass 2 (8.7.0) same runs

