List of runs used:

/volatile/clas12/rg-b/production/recon/pass0/v28.34_8.4.0/dst/train/gmn

1- gmn_006449.hipo
2- gmn_006450.hipo
3- gmn_006451.hipo
4- gmn_006452.hipo
5- gmn_006453.hipo
6- gmn_006455.hipo

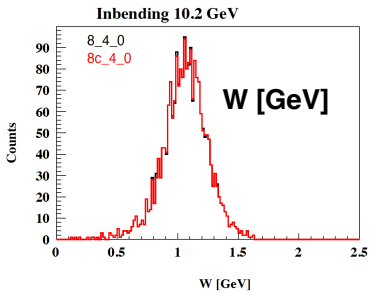
Selecting 2 channels

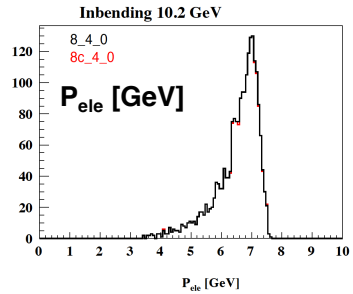
- **e-p events**
- **e-n events**

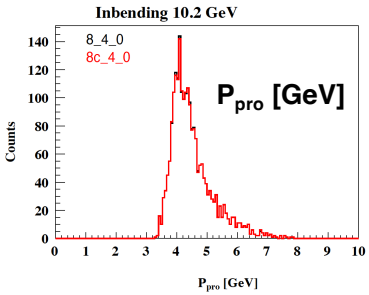
Comparing 8.4.0 and 8c.4.0

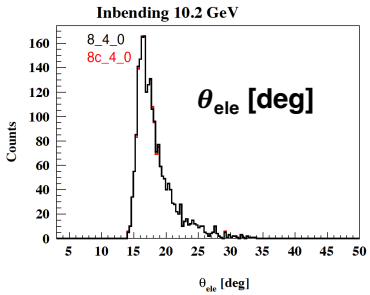
e-p events

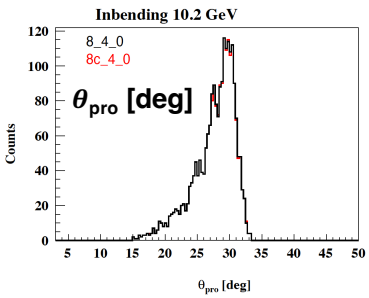
Required at least one ele in FD and one proton hit calorimeter
θ_{pq} < 2.5 deg
1 sigma cut on E_{beam}
| chi2pid | < 3 and require that to be = 2 [Raffaella's suggestion]

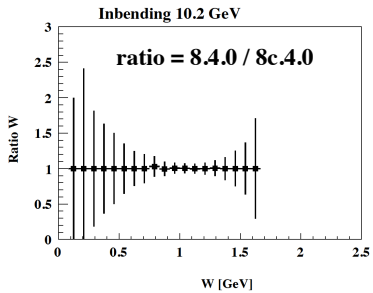


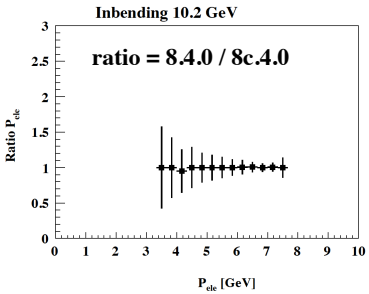


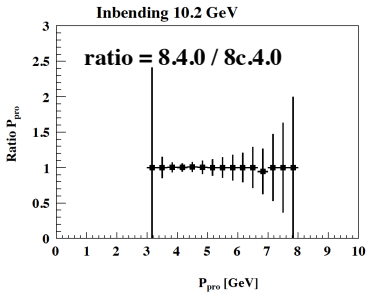


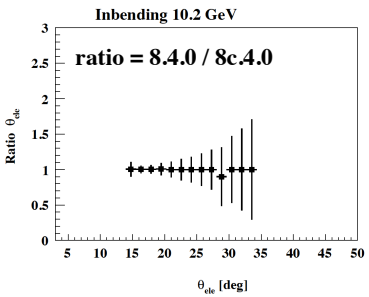


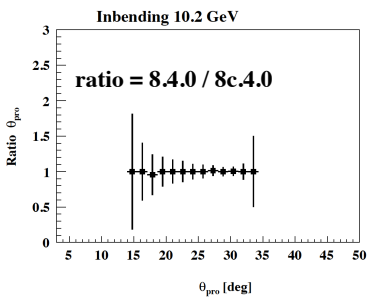








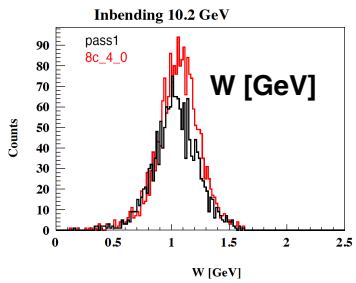


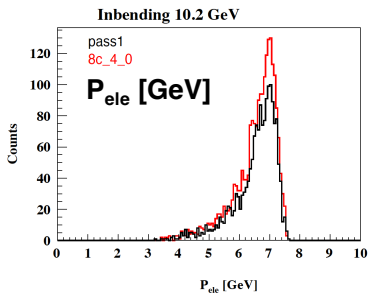


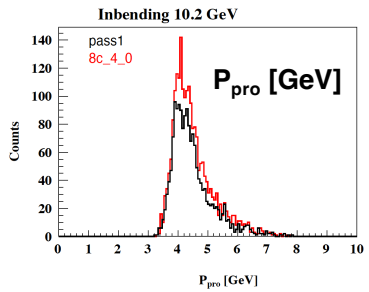
Comparing pass1 and 8c.4.0

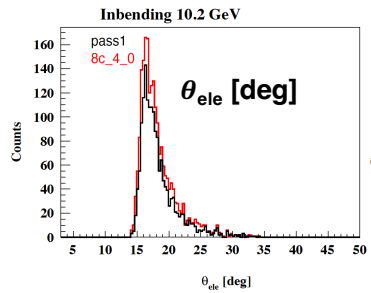
e-p events

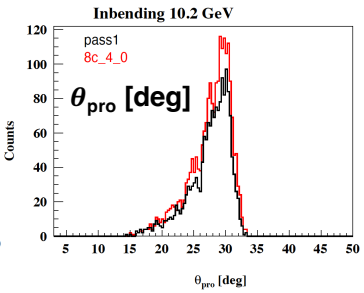
Required at least one ele in FD and one proton hit calorimeter
$\theta_{pq} < 2.5$ deg
1 sigma cut on E_{beam}
| chi2pid | < 3 and require that to be = 2 [Raffaella's suggestion]

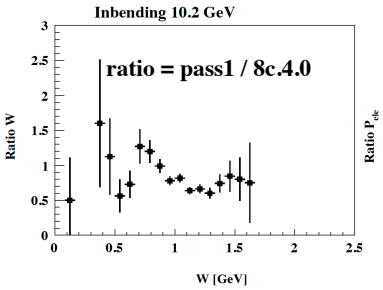


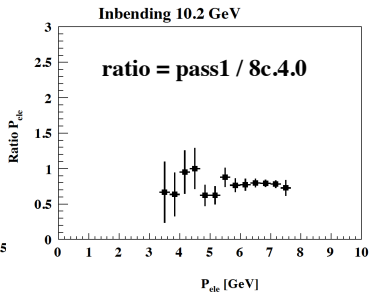


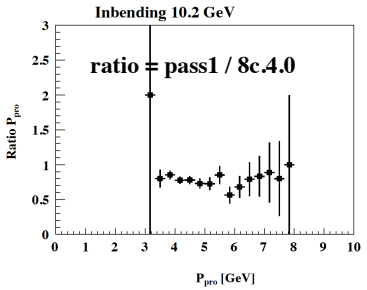


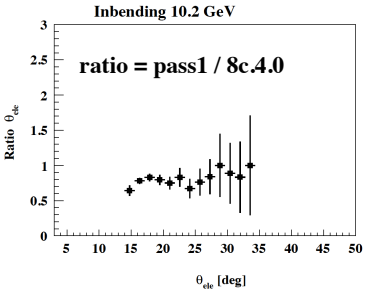


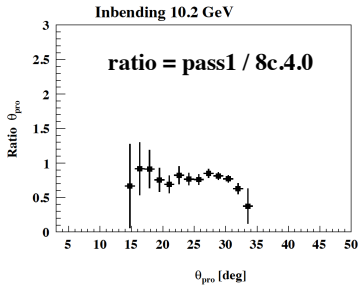












Comparing pass1 and 8.4.0

e-p events

Required at least one ele in FD and one proton hit calorimeter
θ_{pq} < 2.5 deg
1 sigma cut on E_{beam}
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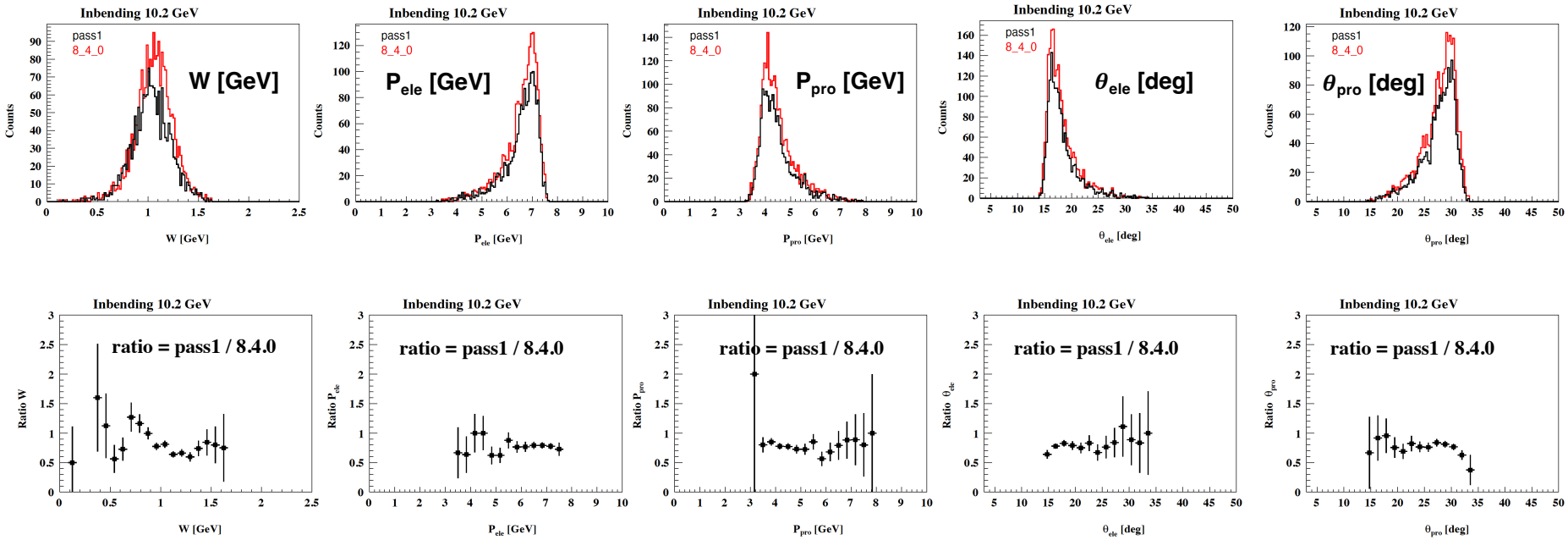

Comparing 8.4.0 and 8c.4.0

e-n events

Required at least one ele in FD
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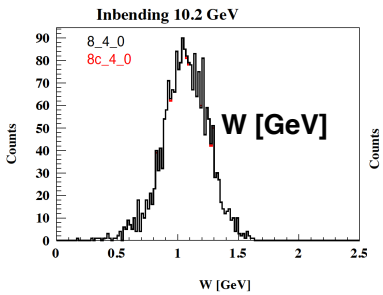
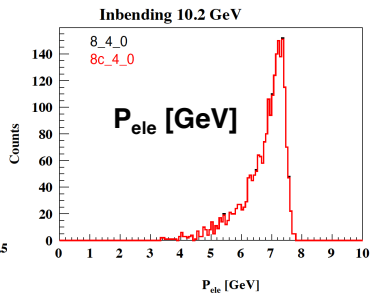
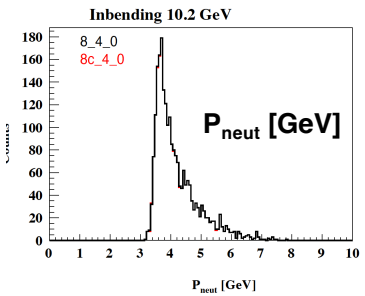
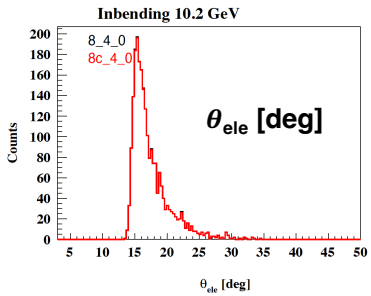
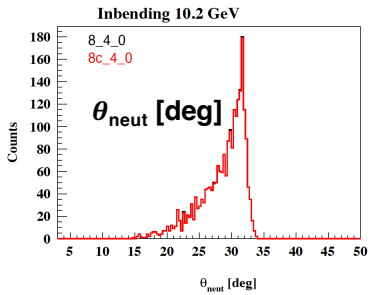
1 sigma cut on E_{beam}
| chi2pid | < 3 and require that to be = 1 [Raffaella's suggestion]

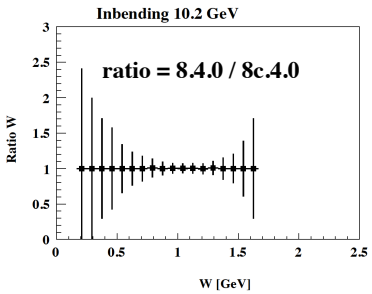


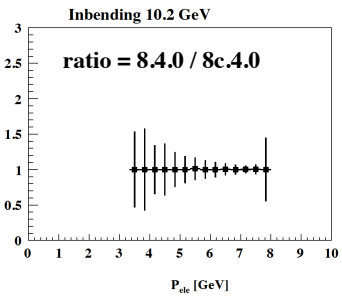


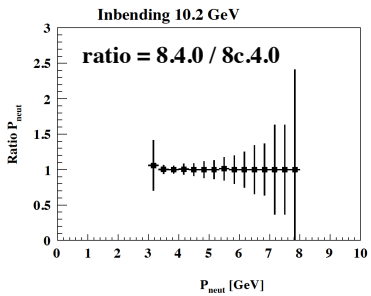


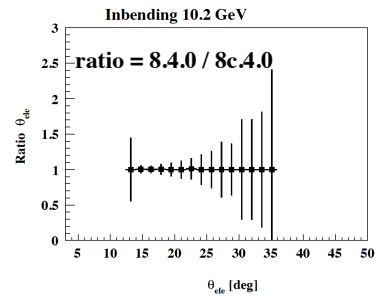


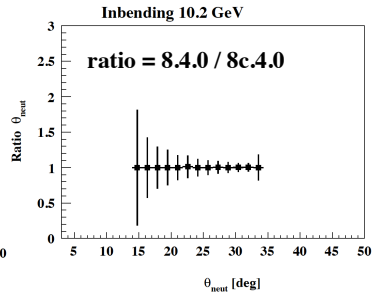












Comparing pass1 and 8c.4.0

e-n events

Required at least one ele in FD
θ_{pq} < 2.5 deg
1 sigma cut on E_{beam}
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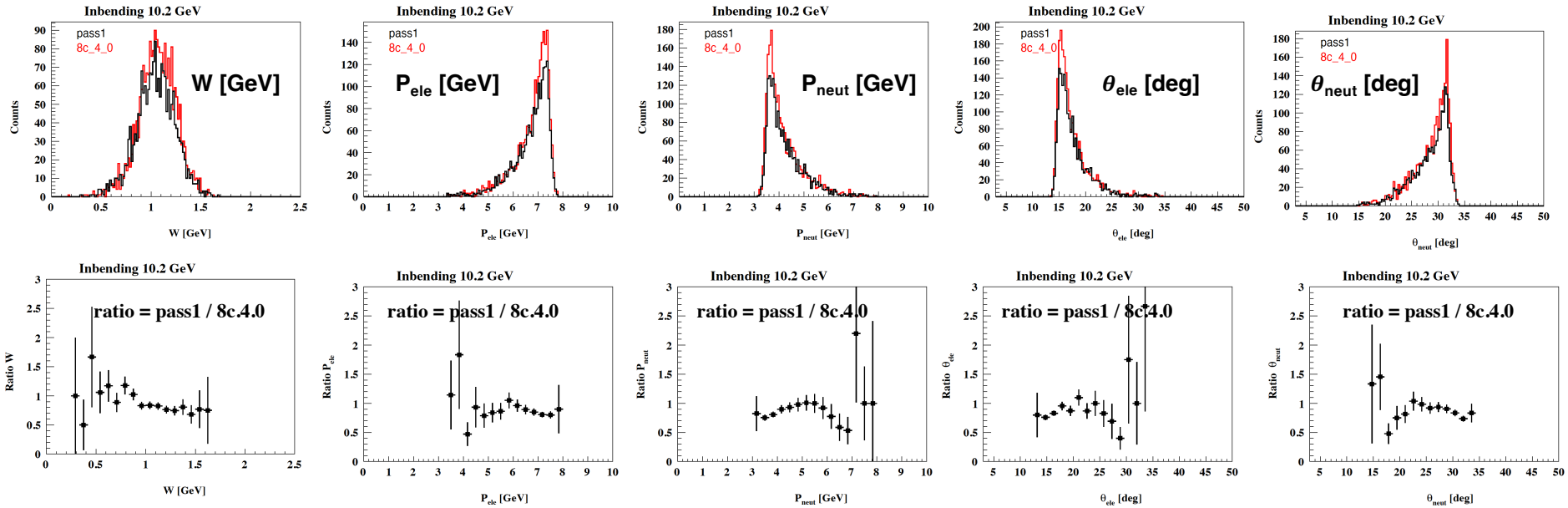

Comparing pass1 and 8.4.0

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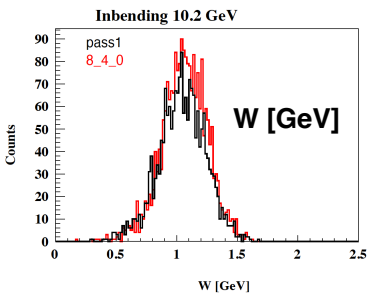
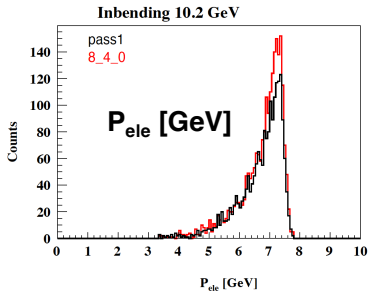
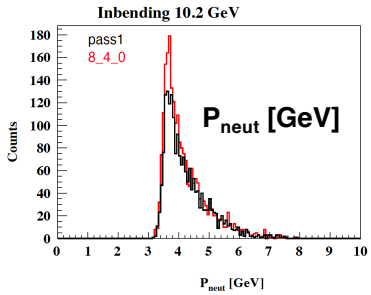
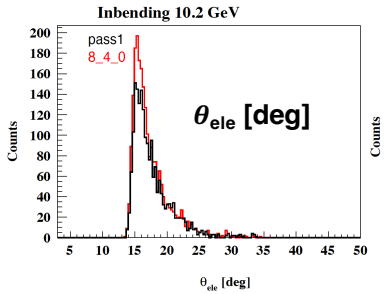
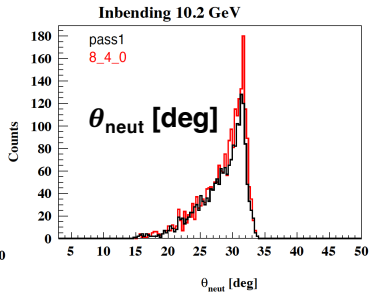
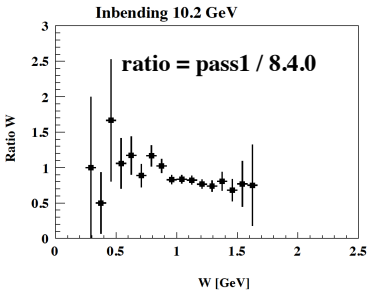


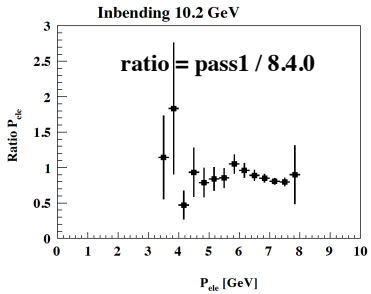


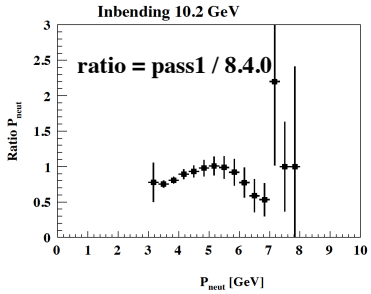


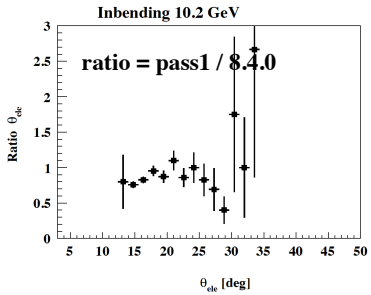


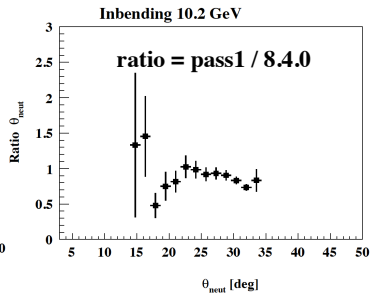




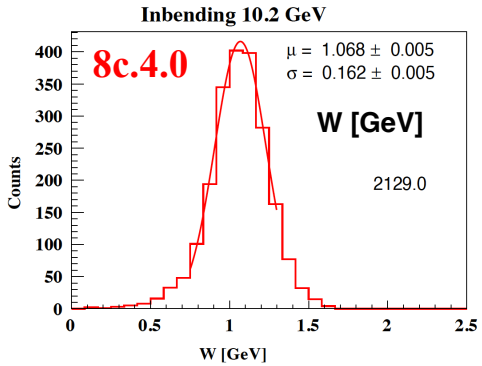


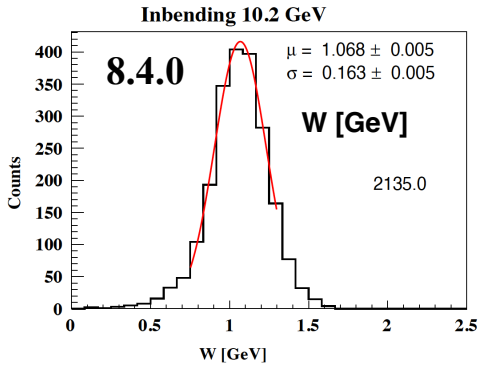


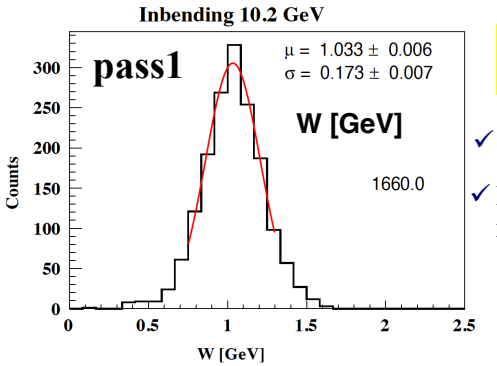




Comparing 8c.4.0, 8.4.0 and pass1

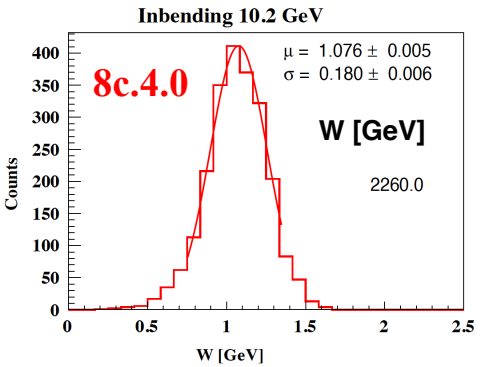


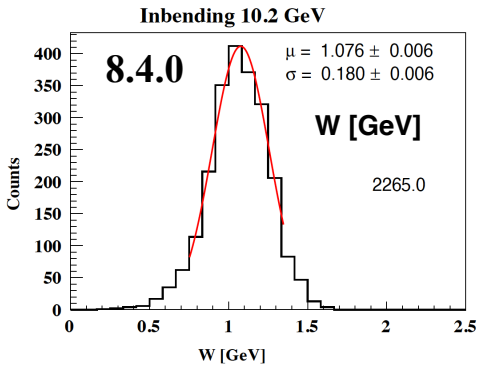


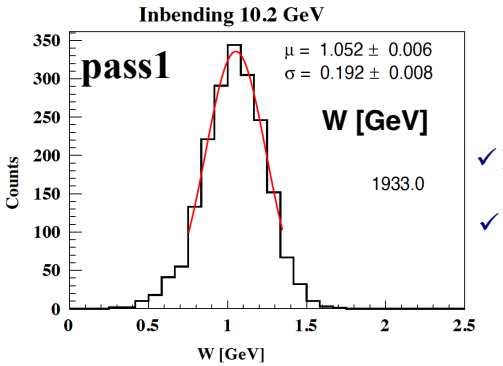


e-p events

- ✓ Improved the resolution by ~6%
- ✓ Increase the number of events in W from pass1 to pass2 by ~ 28%



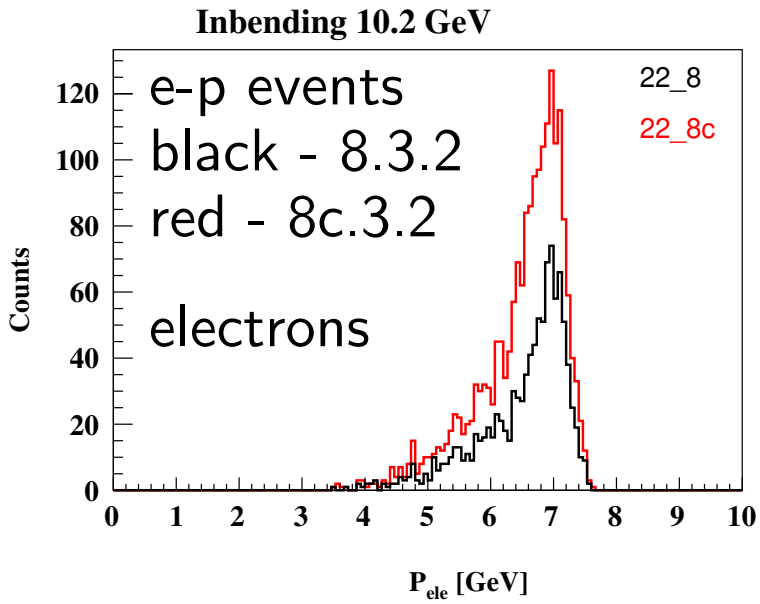


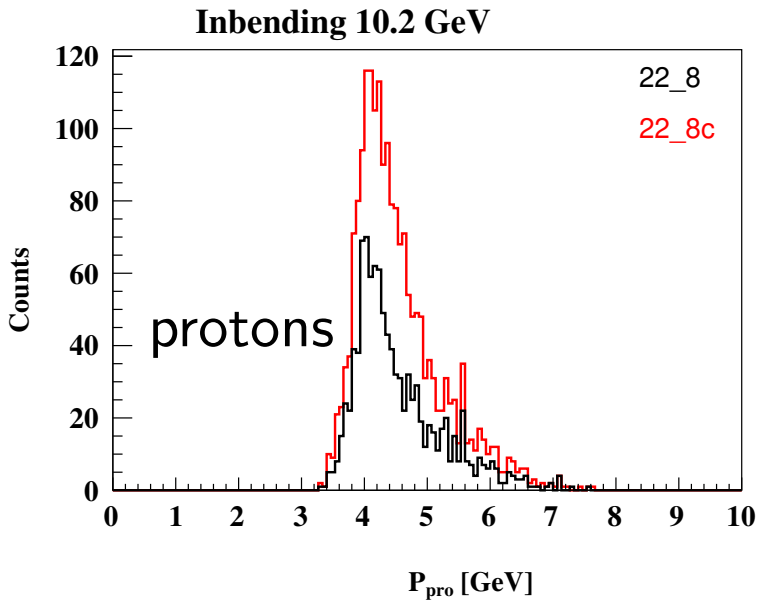


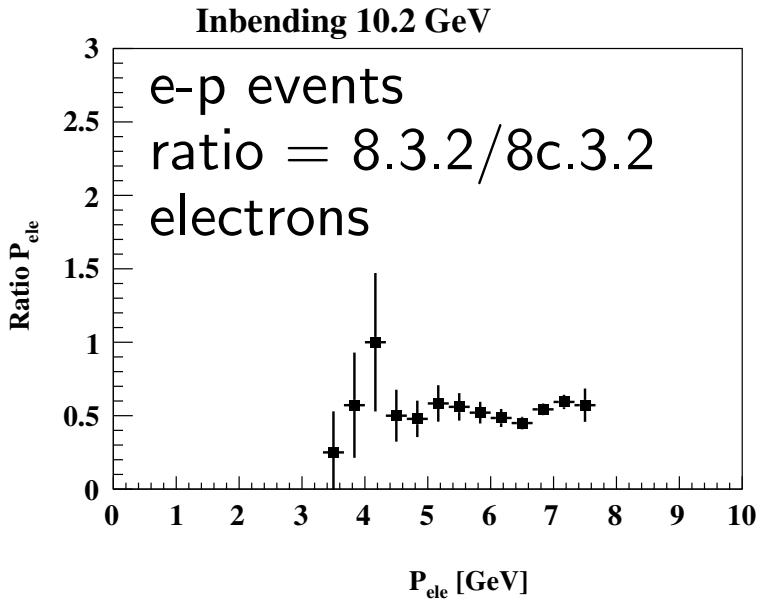
e-n events

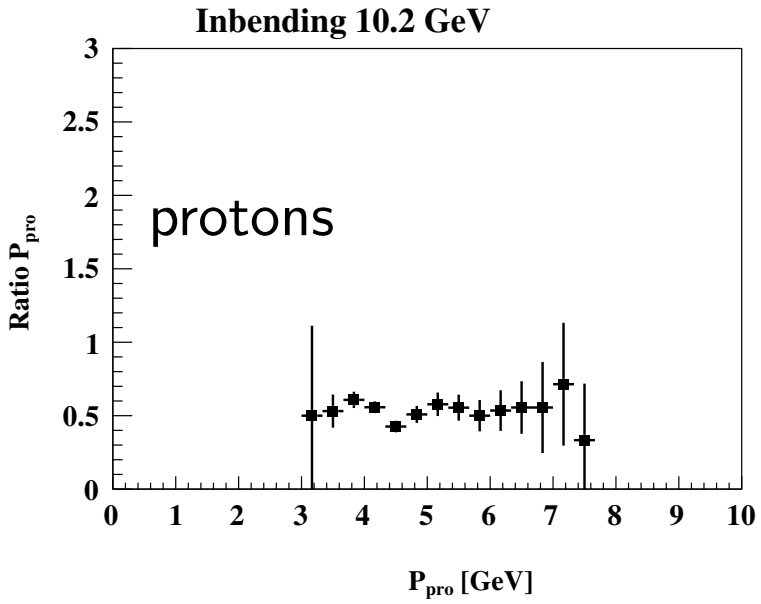
- ✓ Improved the resolution by ~6%
- ✓ Increase the number of events in W from pass1 to pass2 by ~ 17%

Comparing 8c.3.2 and 8.3.2

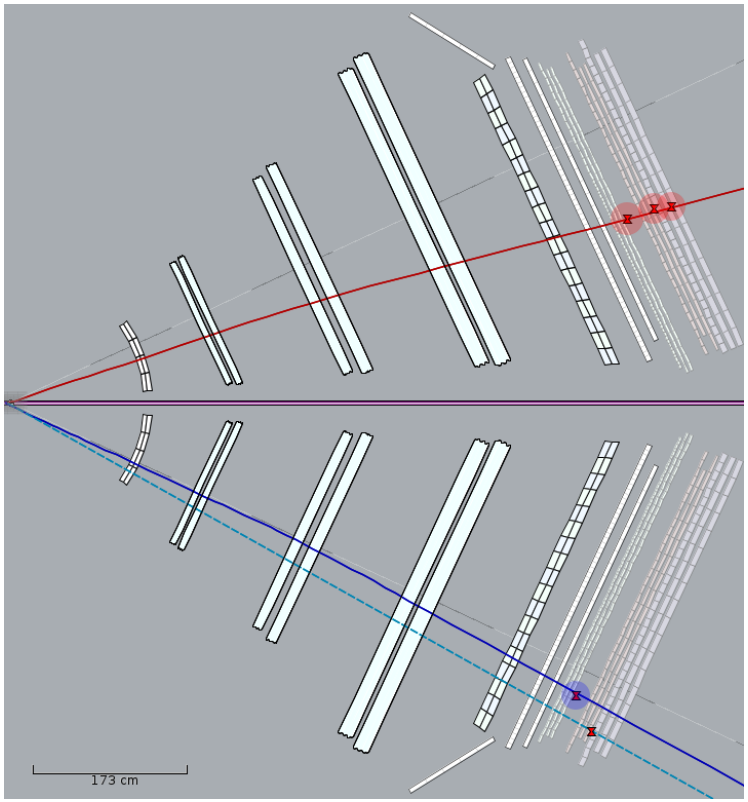


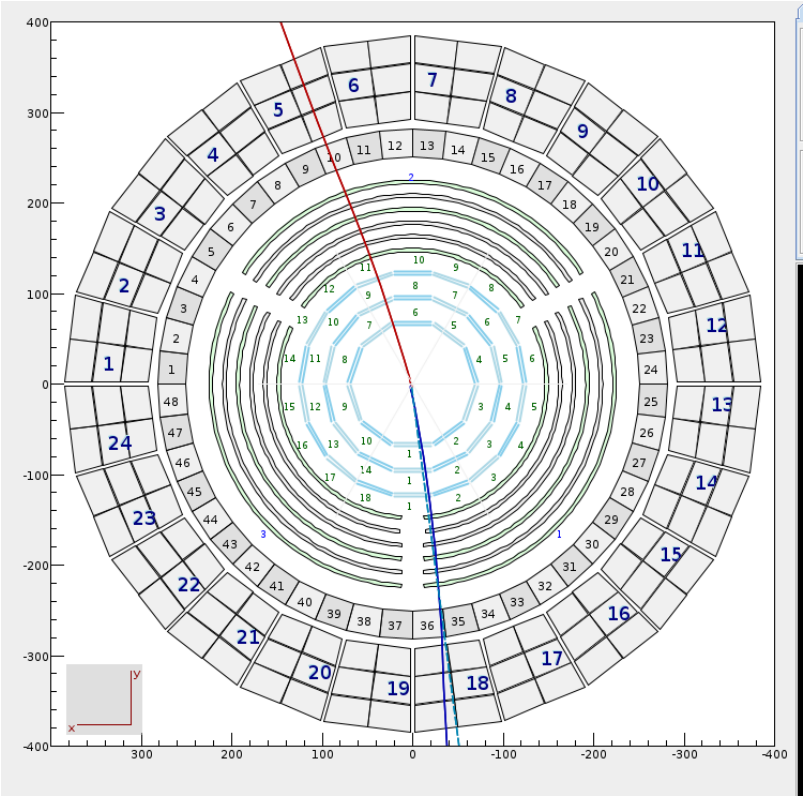


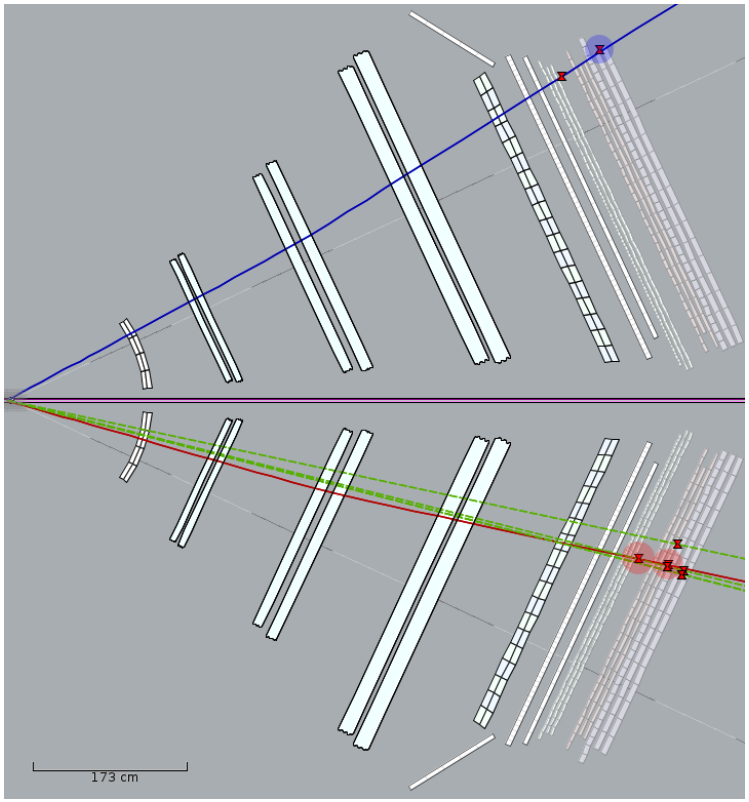
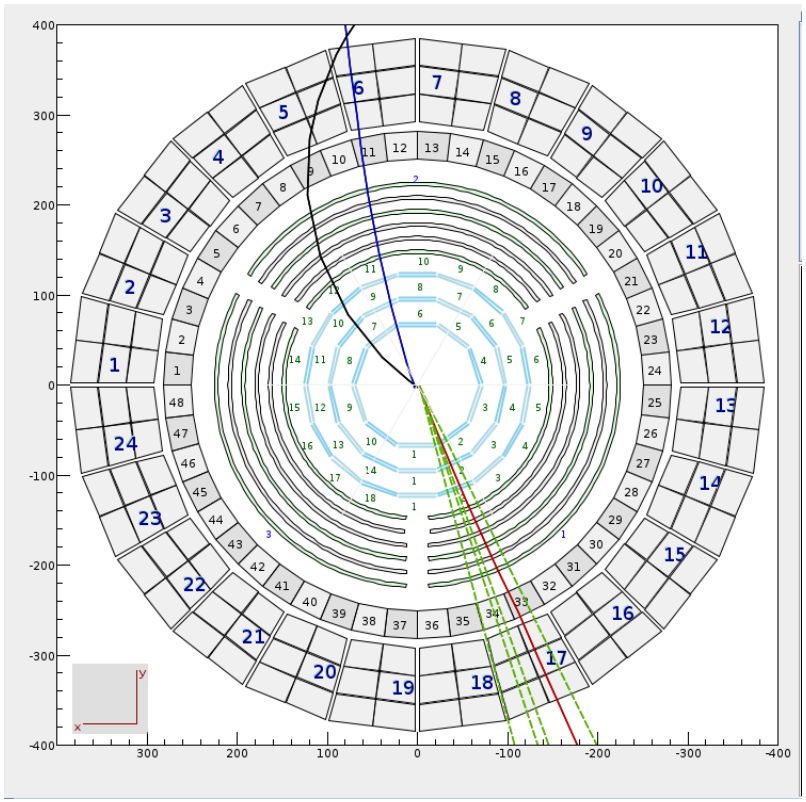




Events in both 8c.4.0 and in 8.4.0






173 cm