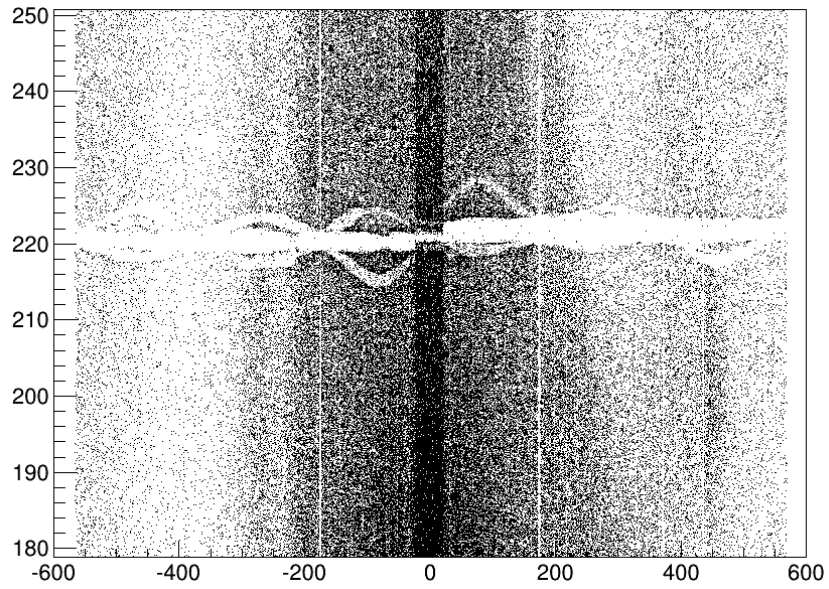
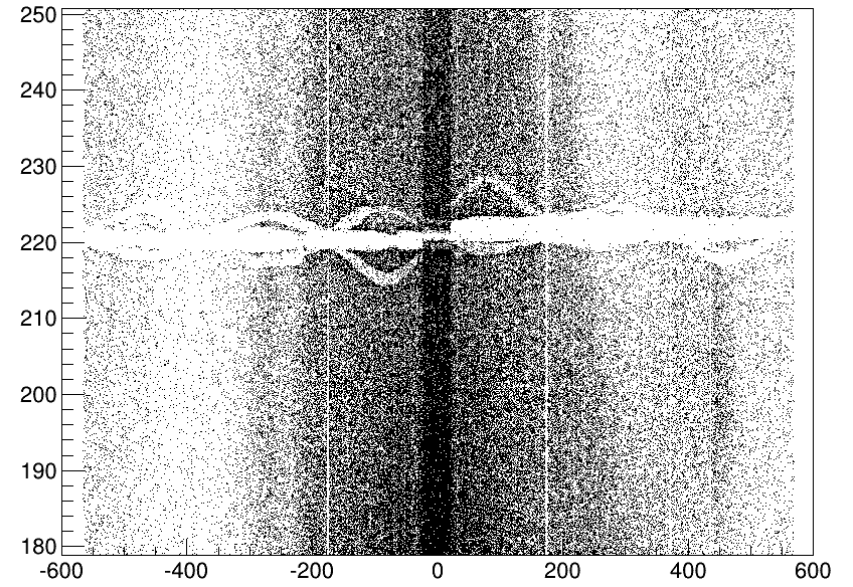


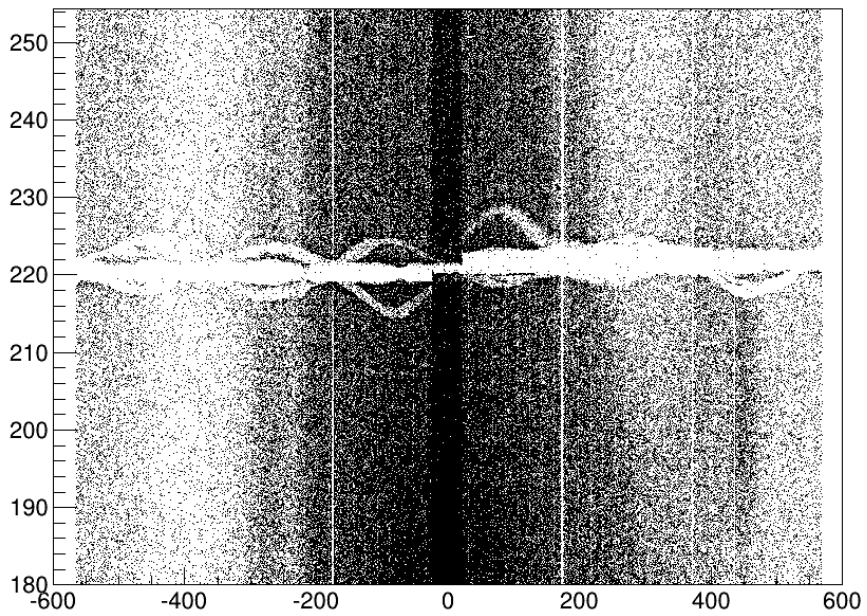
Spacer stability



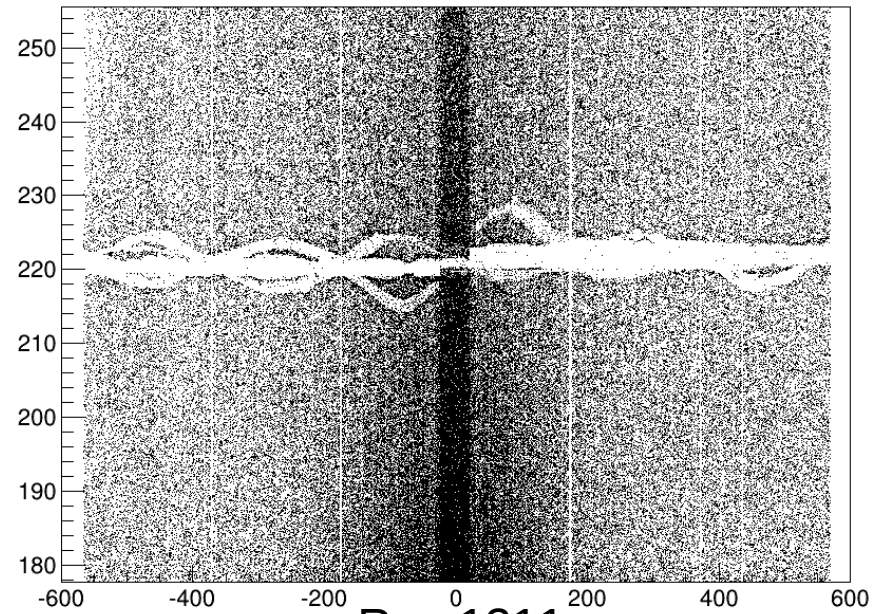
Run 1516



Run 1506

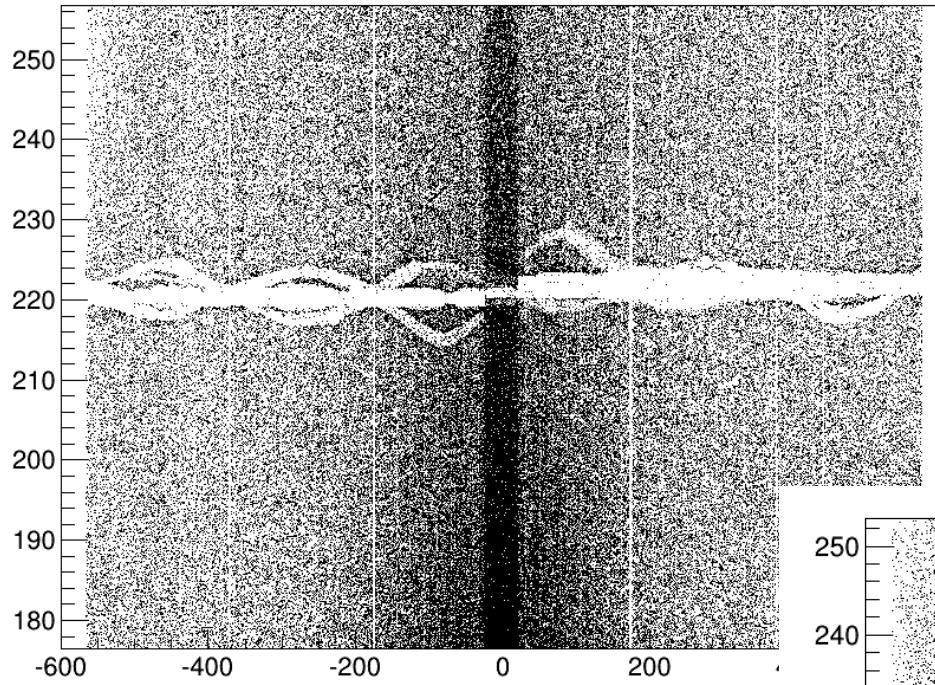


Run 1470

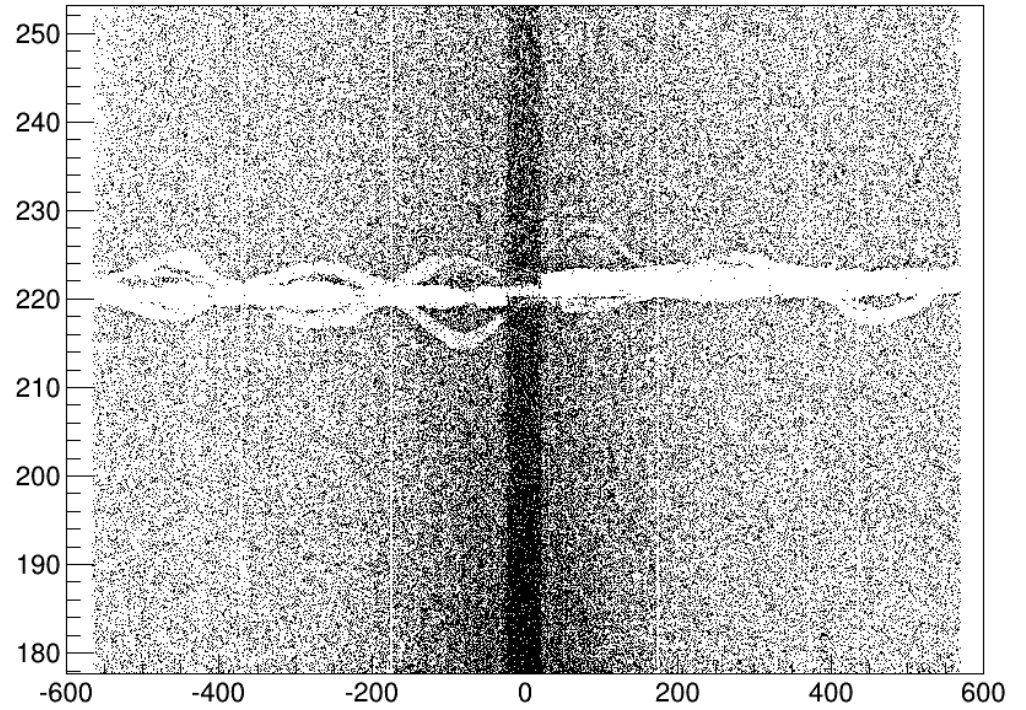


Run 1311

Spacer stability

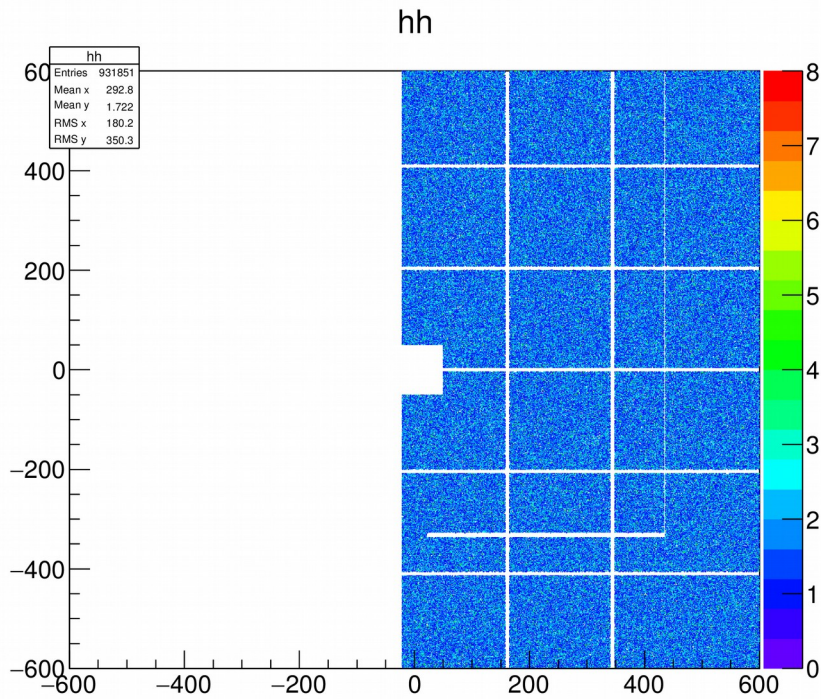


Run 1290

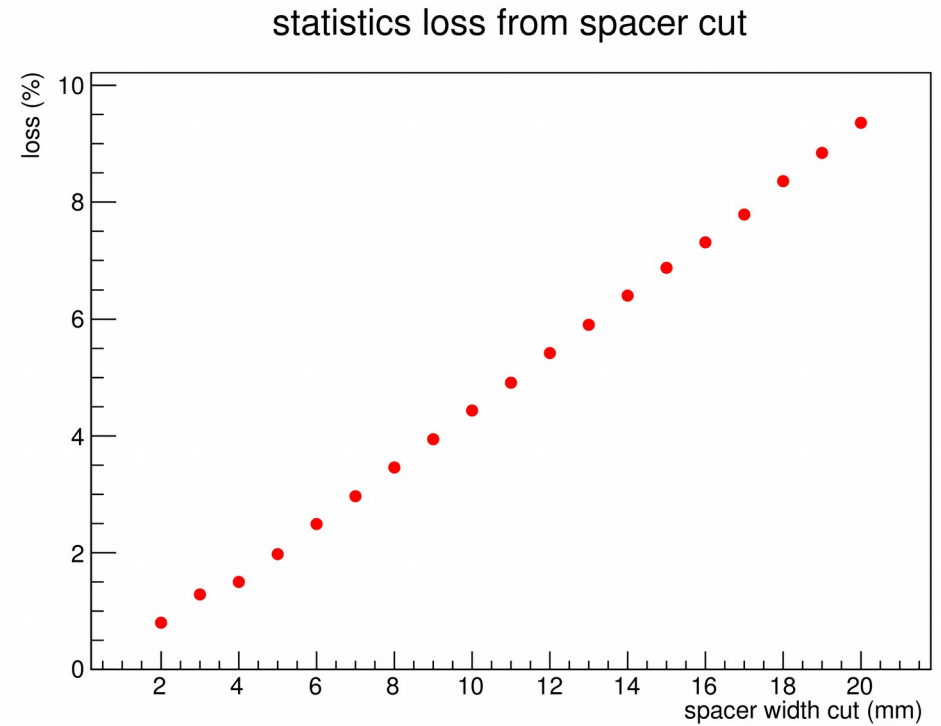


Run 1240

Spacer cut

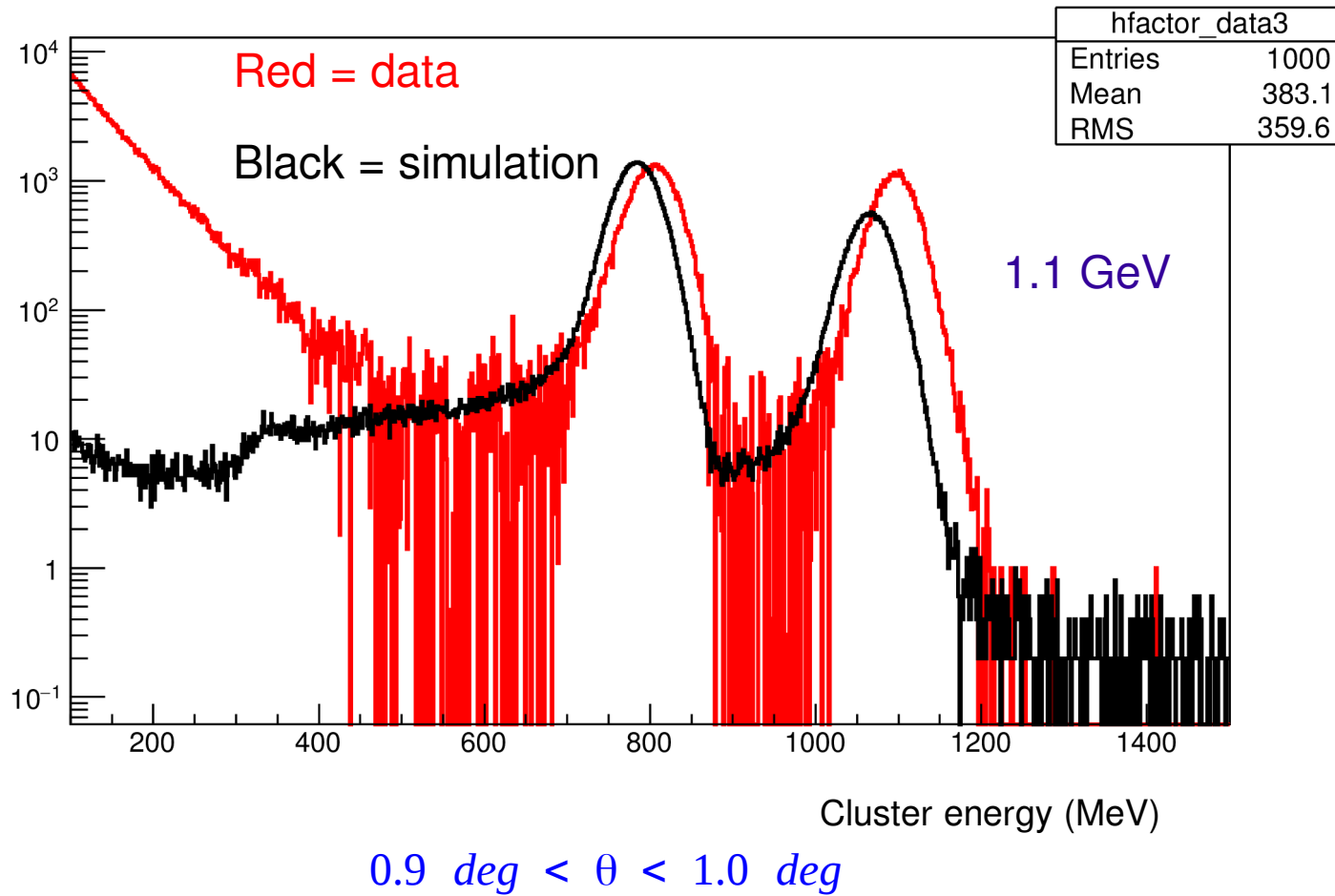


Cut off area around spacer



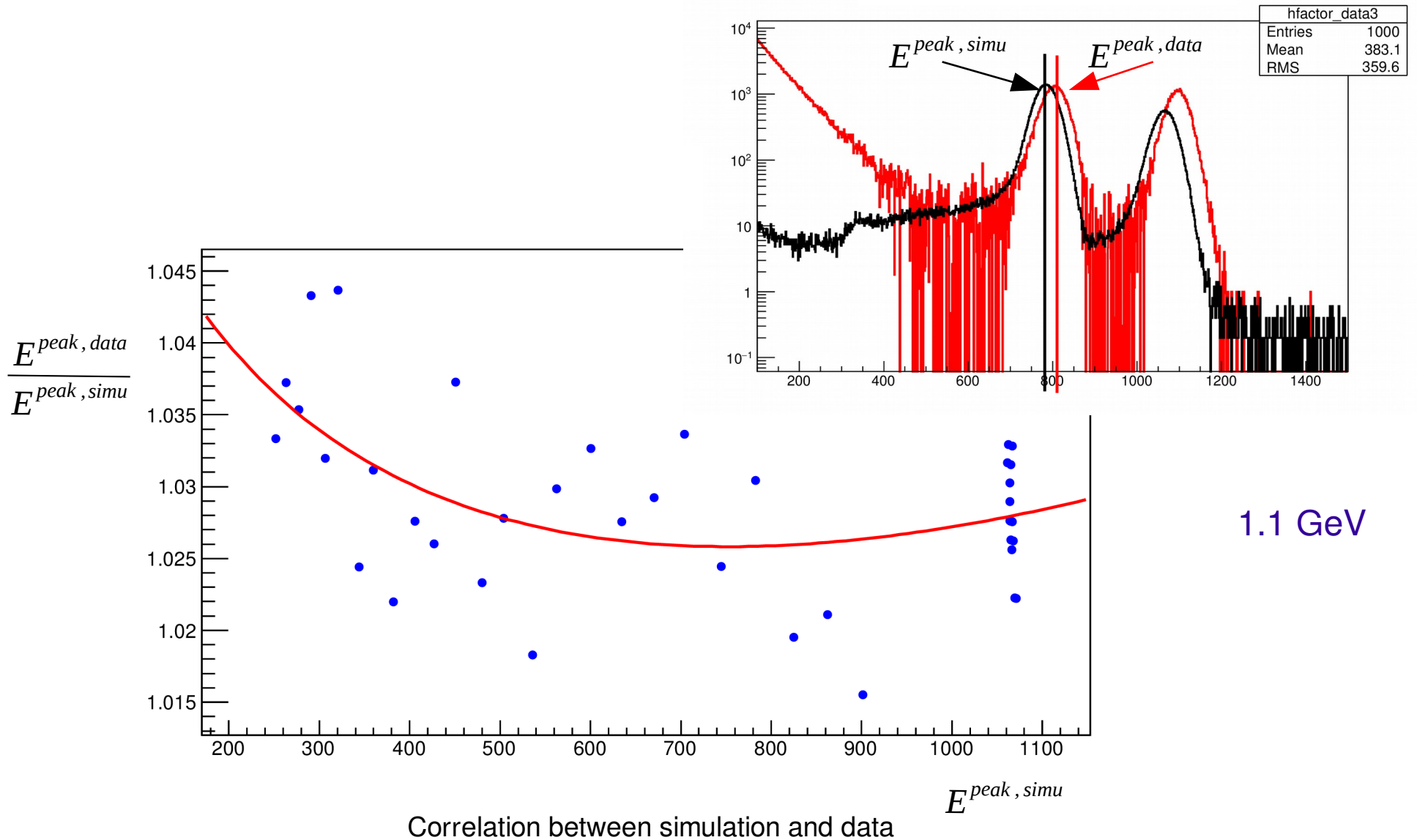
Statistics drop against cut off area width

Compare between simulation and data



Simulation constant is different with different cluster energy

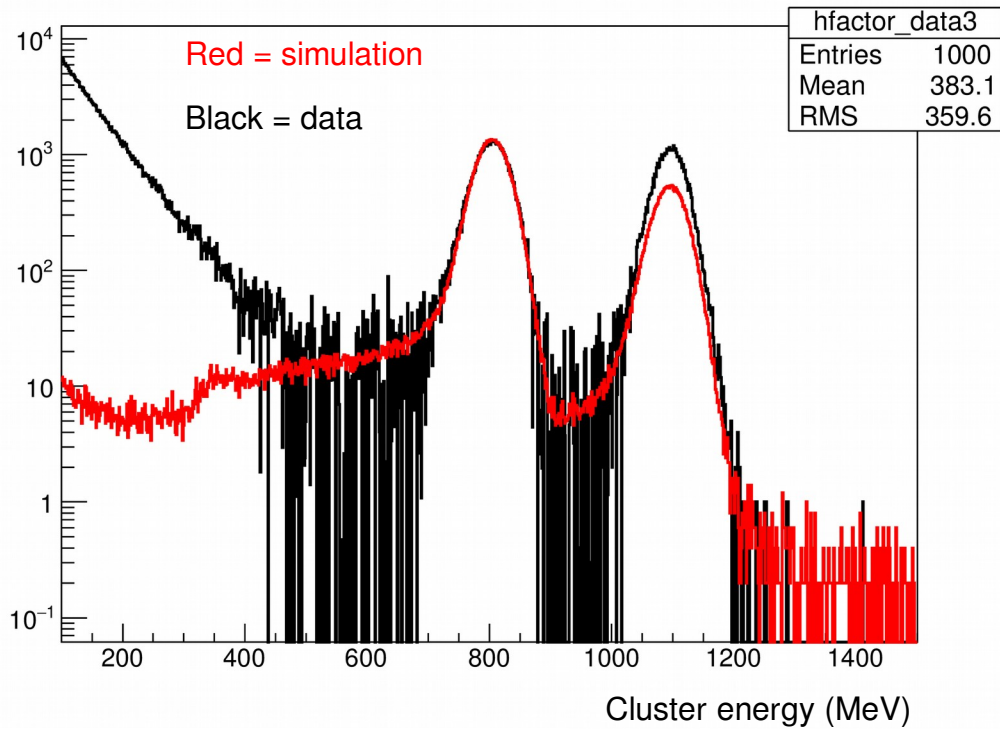
Compare between simulation and data



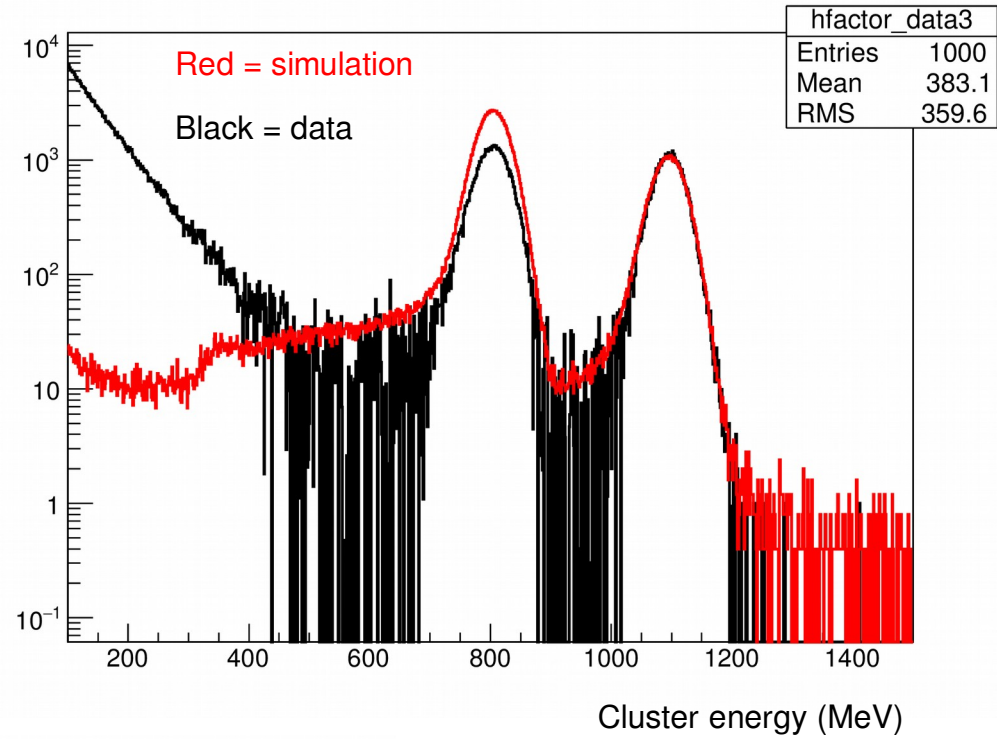
$$E/E_{simu} = f(E_{simu}, \sqrt{E_{simu}/E_{beam}})$$

Compare between simulation and data

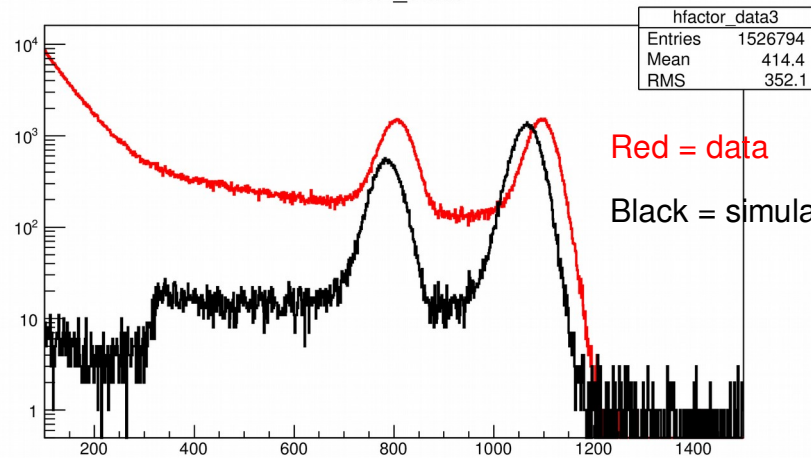
Compare moller



Compare ep



hfactor_data3

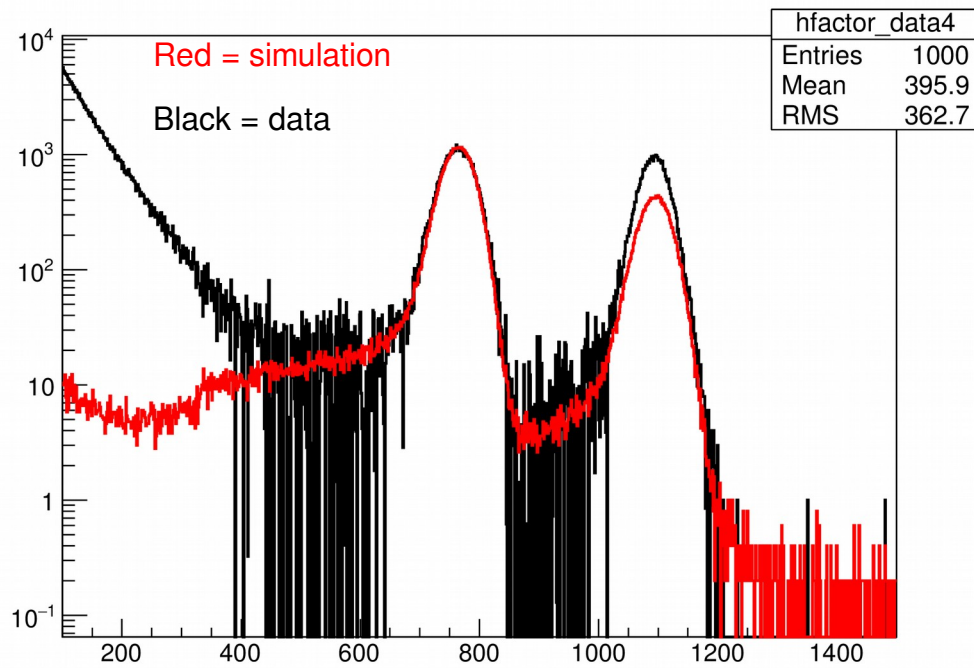


1.1 GeV

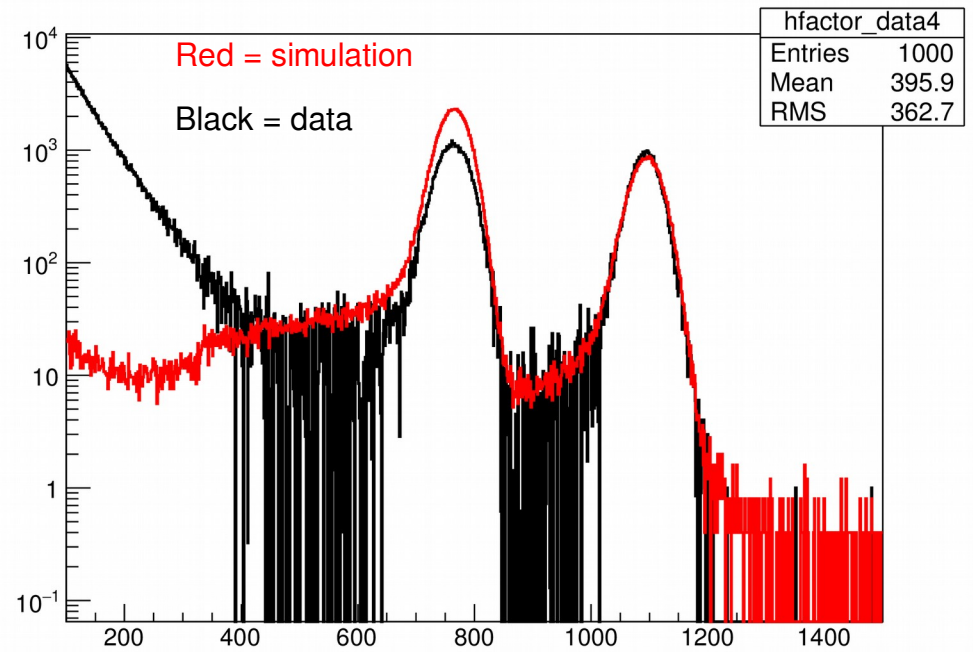
0.9 deg < θ < 1.0 deg

Compare between simulation and data

Compare moller



Compare ep

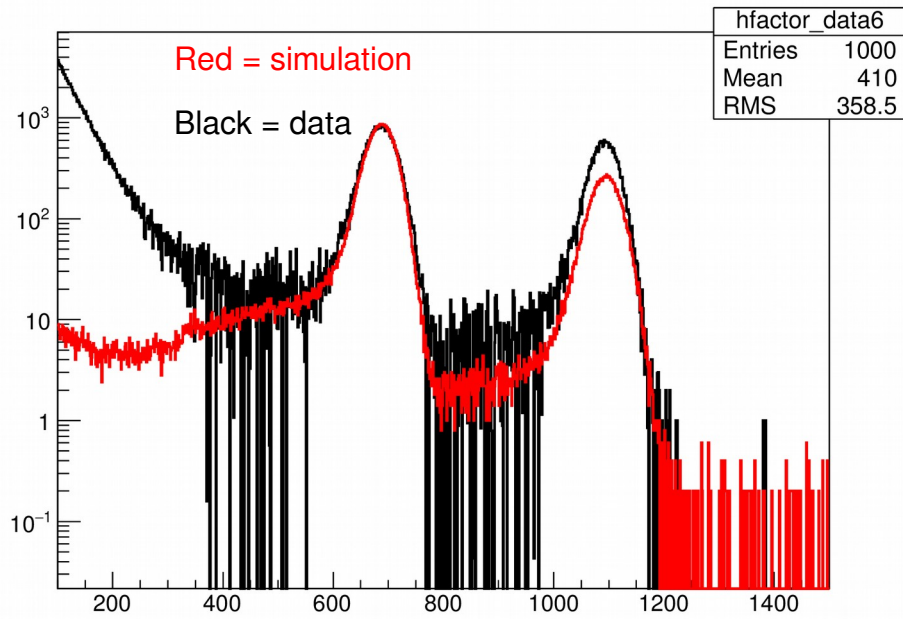


1.1 GeV

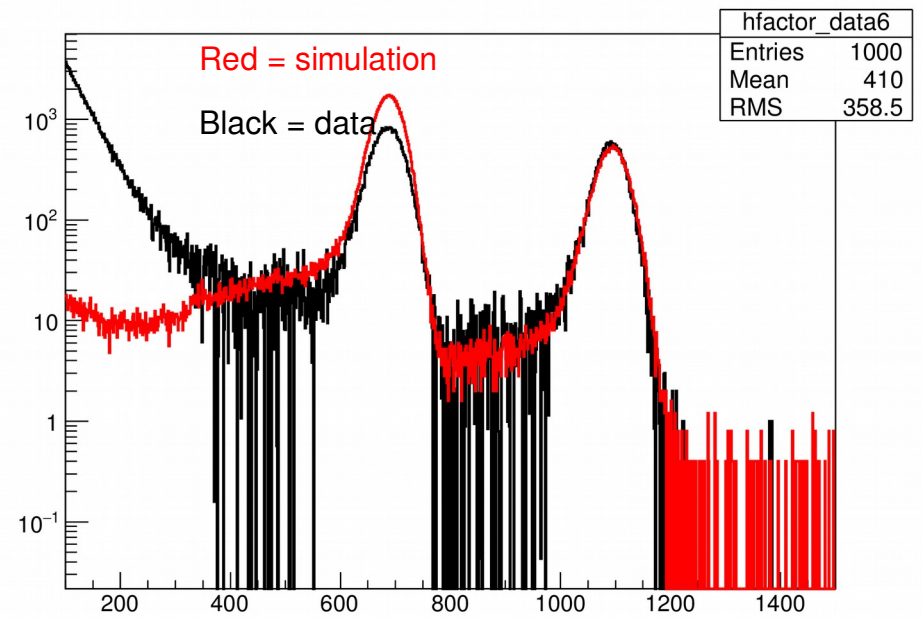
$1.0 \text{ deg} < \theta < 1.1 \text{ deg}$

Compare between simulation and data

Compare moller



Compare ep

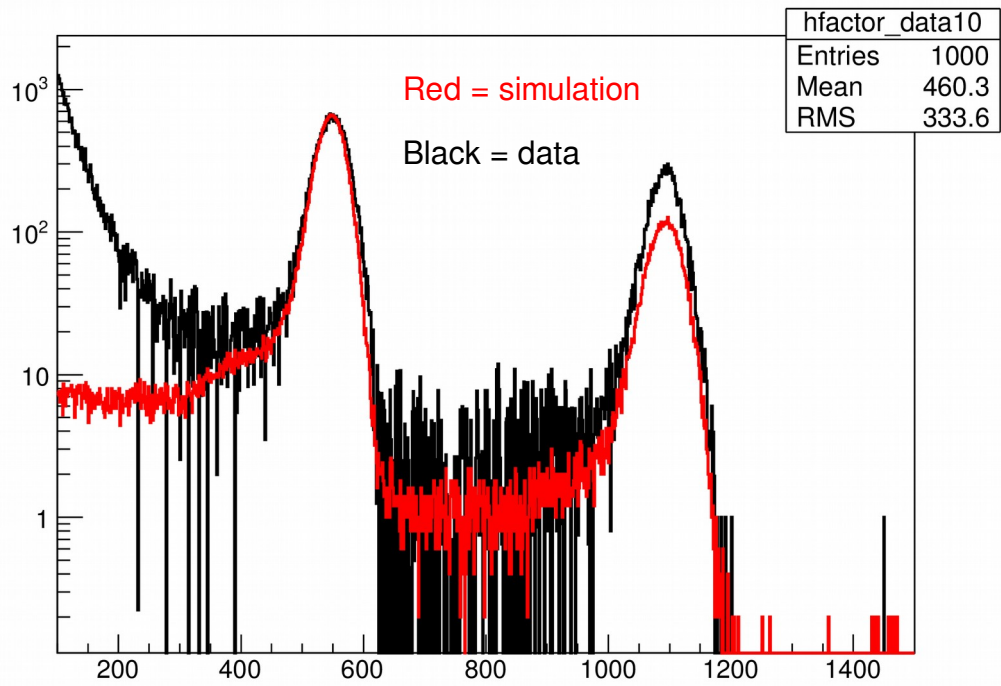


1.1 GeV

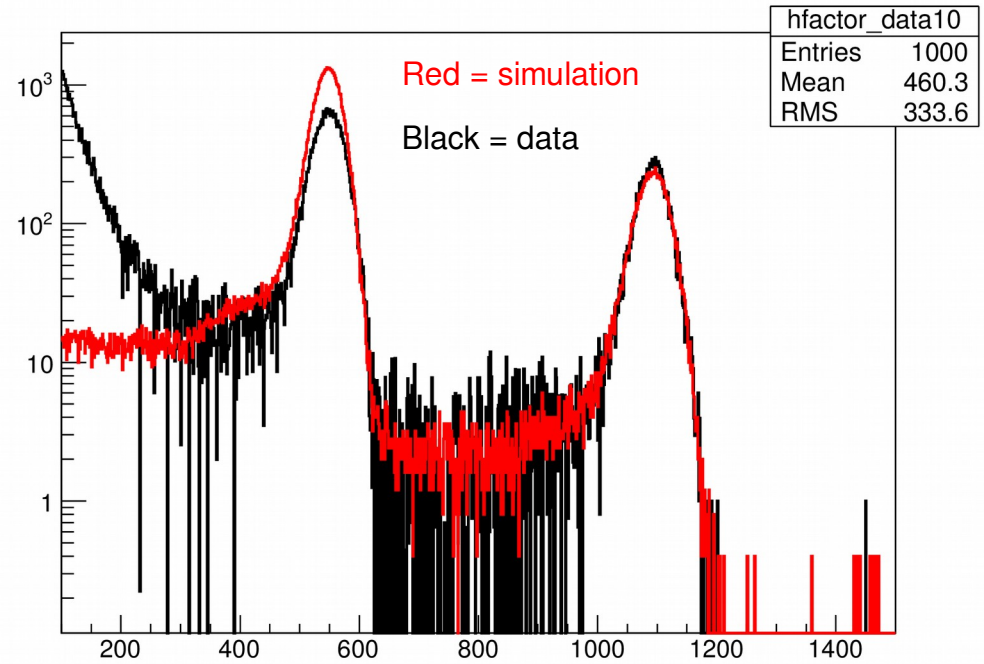
$1.2 \text{ deg} < \theta < 1.3 \text{ deg}$

Compare between simulation and data

Compare moller



Compare ep

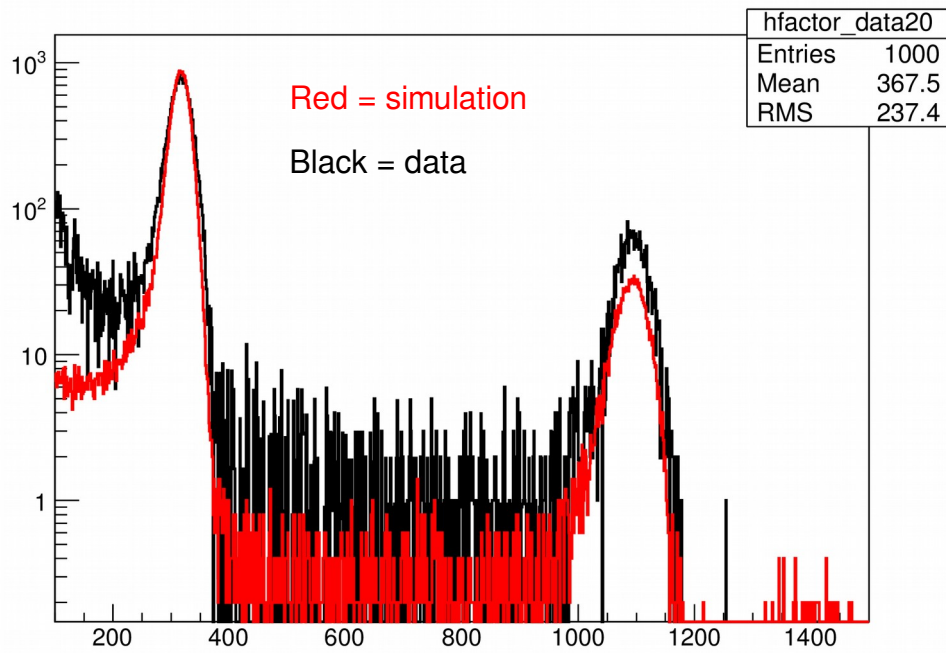


1.1 GeV

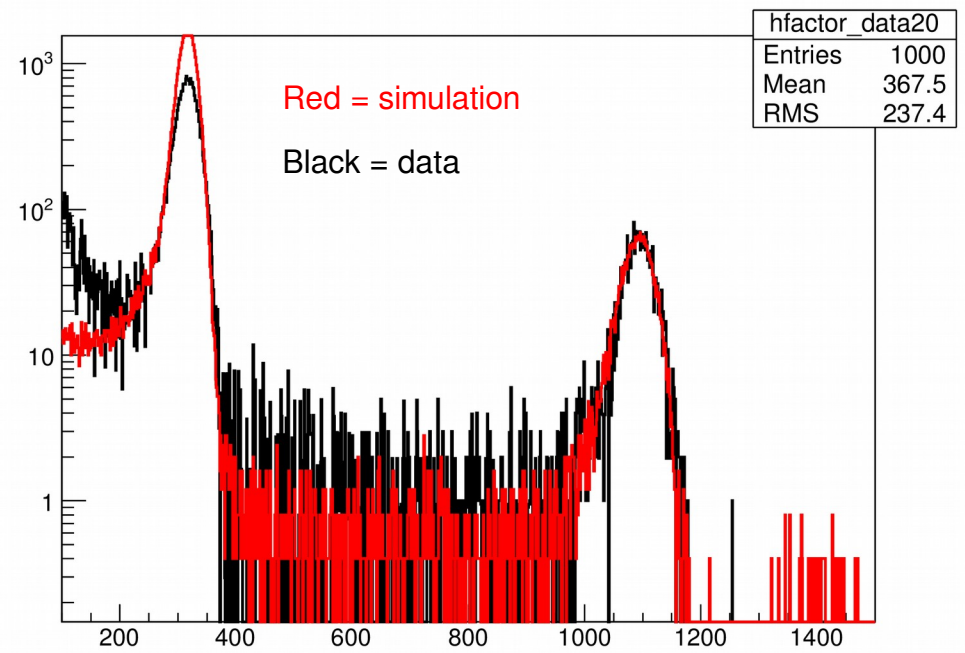
$1.6 \text{ deg} < \theta < 1.7 \text{ deg}$

Compare between simulation and data

Compare moller



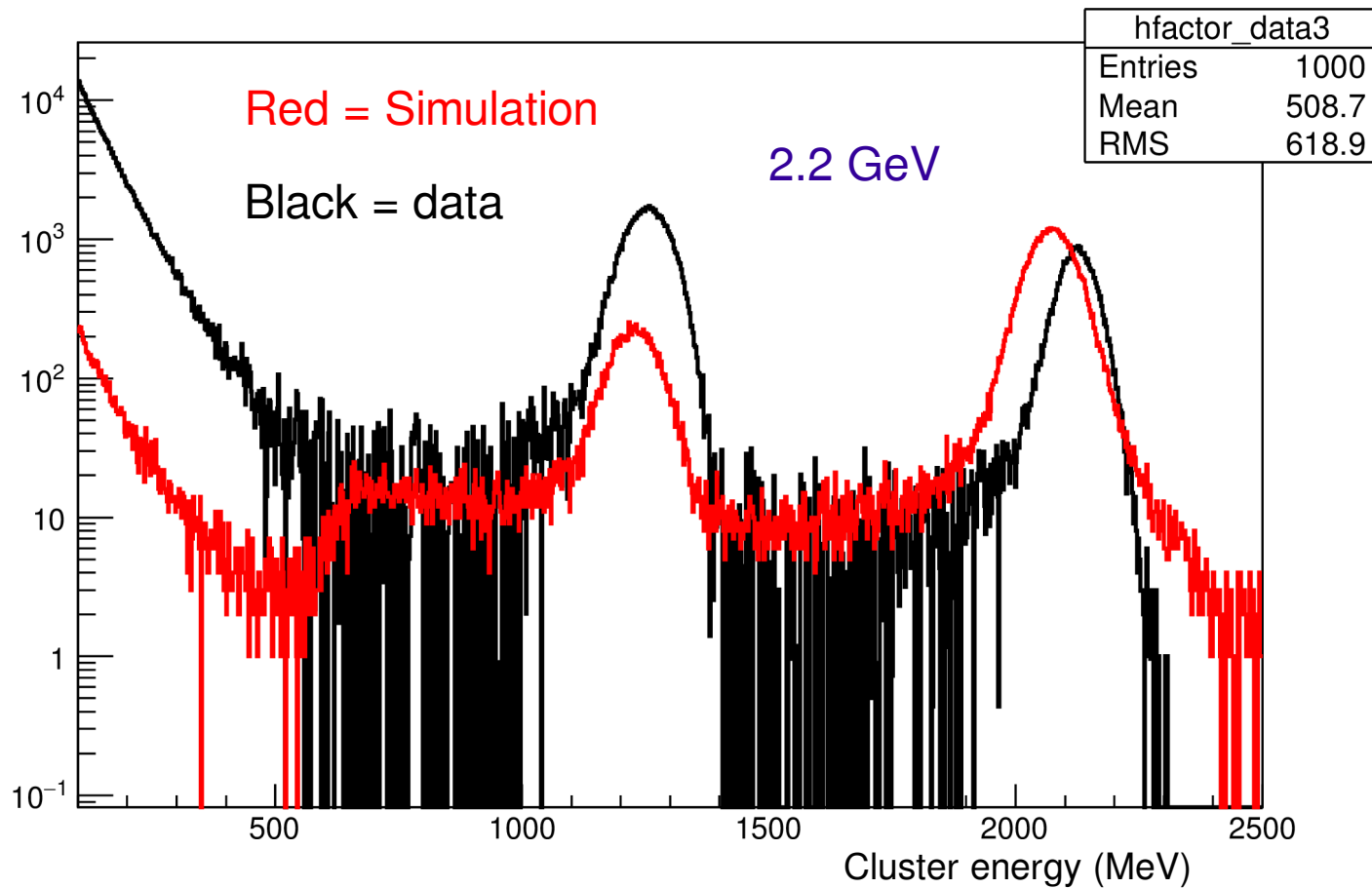
Compare ep



1.1 GeV

$2.6 \text{ deg} < \theta < 2.7 \text{ deg}$

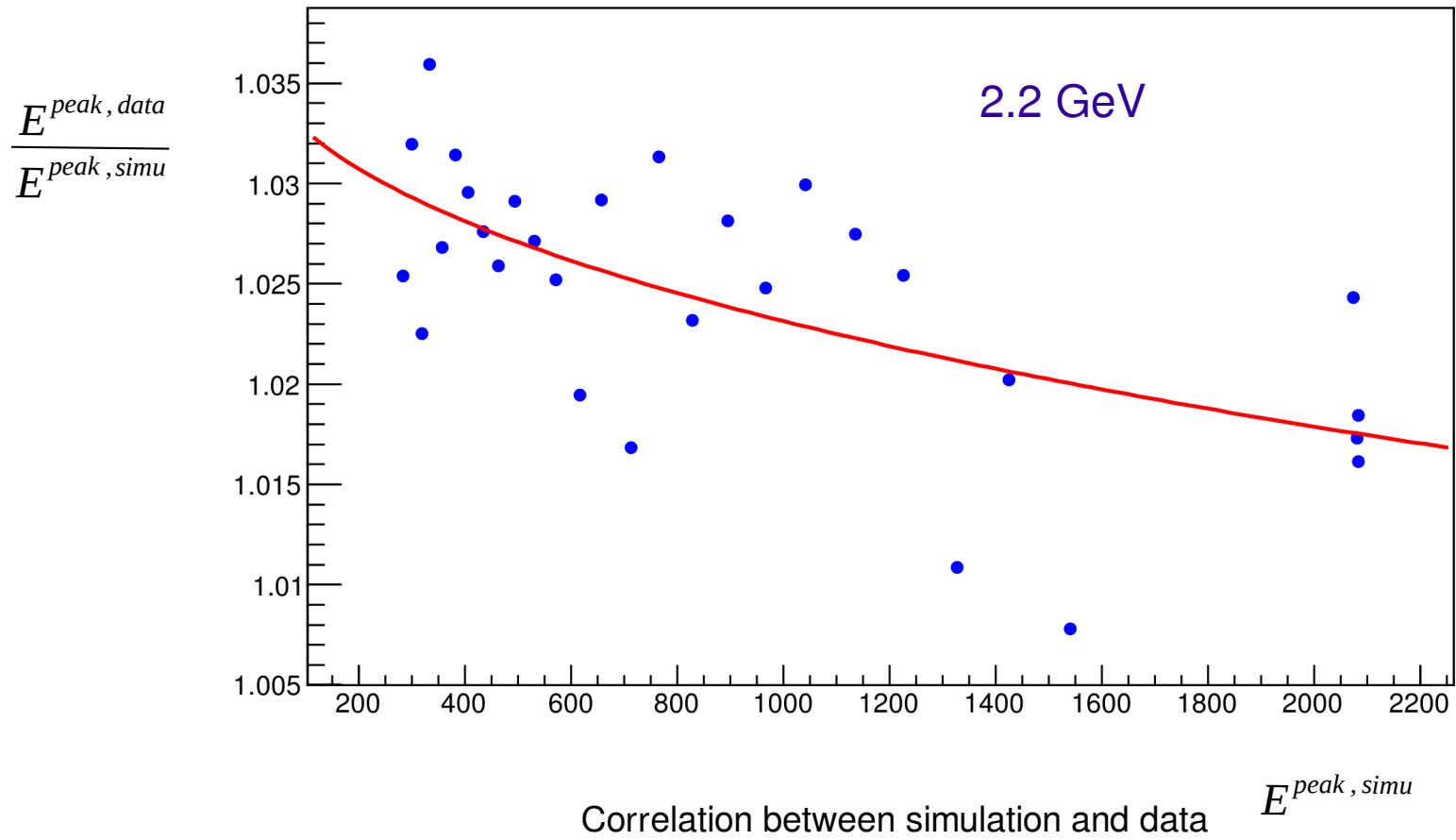
Compare between simulation and data



$0.9 \text{ deg} < \theta < 1.0 \text{ deg}$

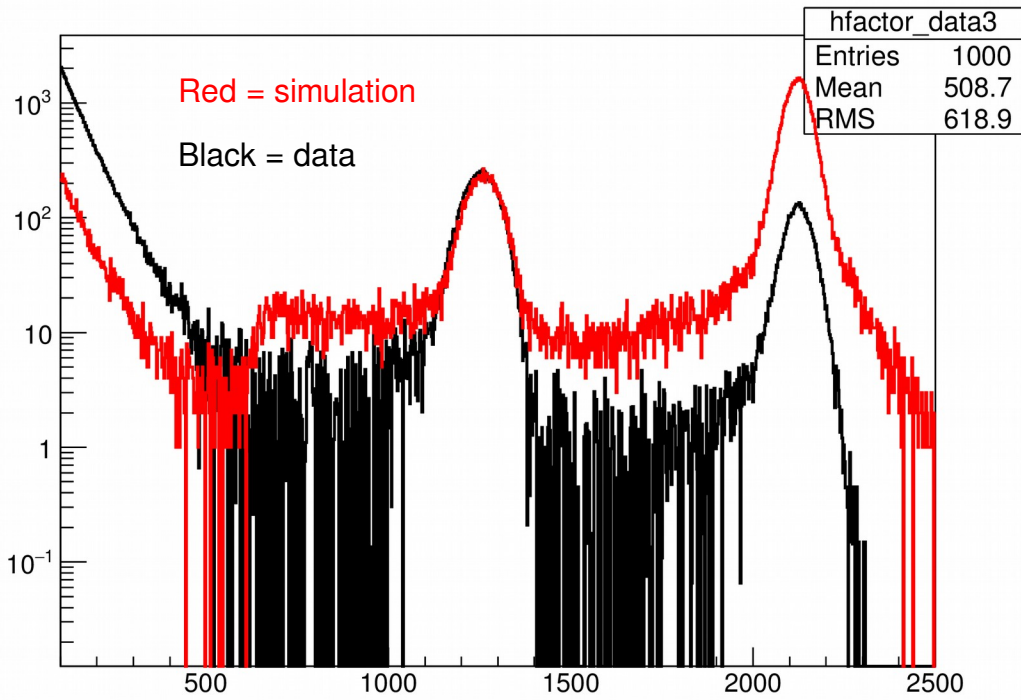
ep ee in different luminosity

Compare between simulation and data

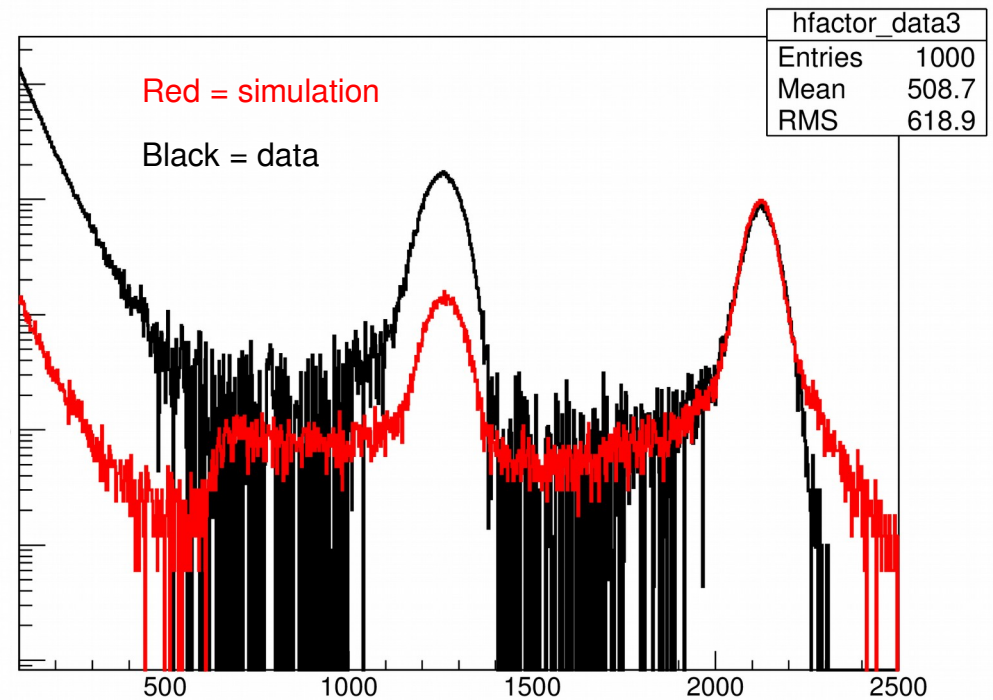


Compare between simulation and data

Compare moller



Compare ep



2.2 GeV

$0.9 \text{ deg} < \theta < 1.0 \text{ deg}$

ep ee in different luminosity