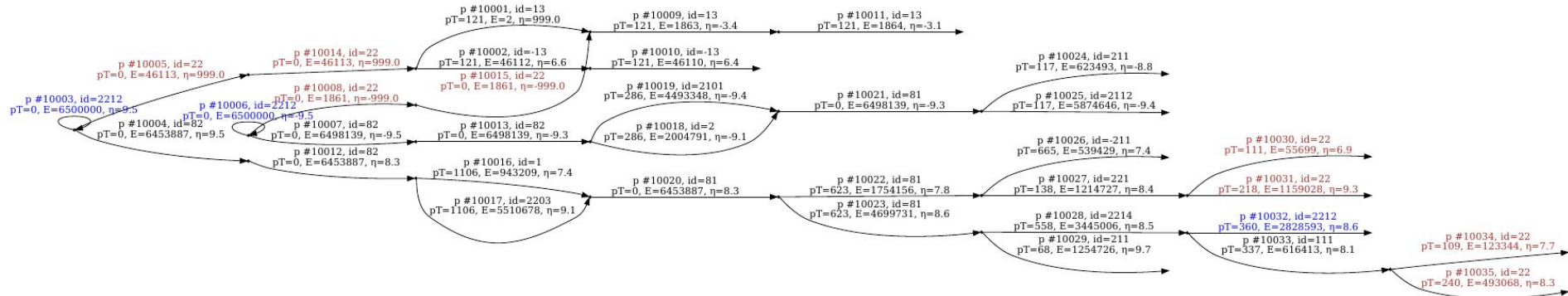


Setup

Herwig EE, SD (LuxQED, Budnev)

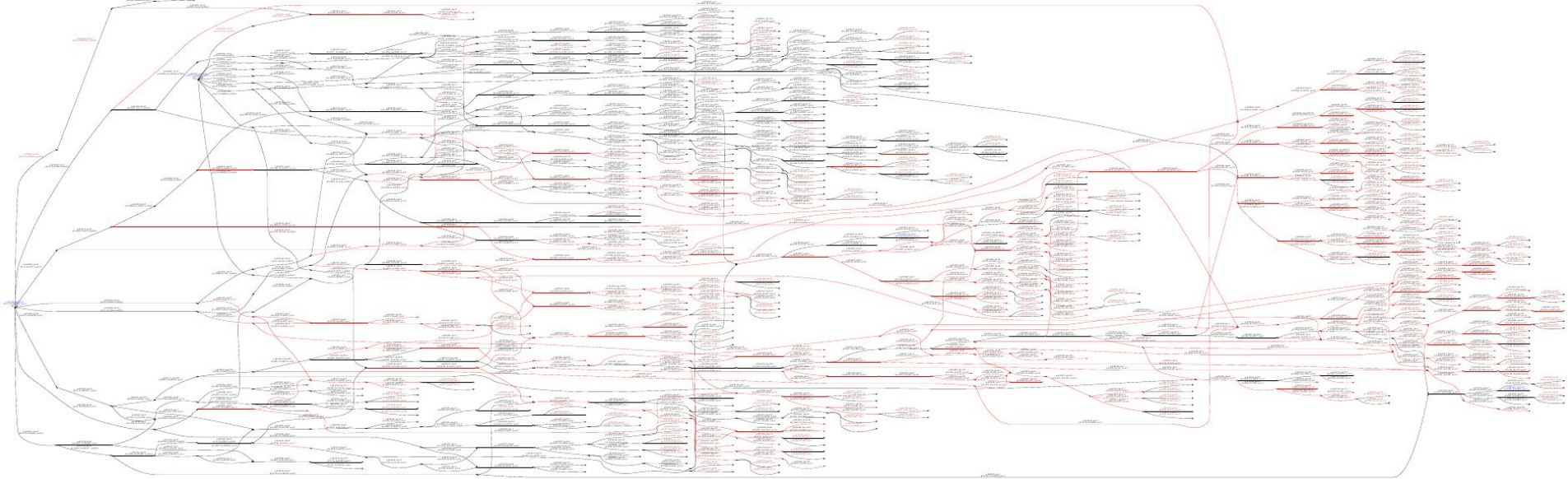
Settings:

Event examples: elastic



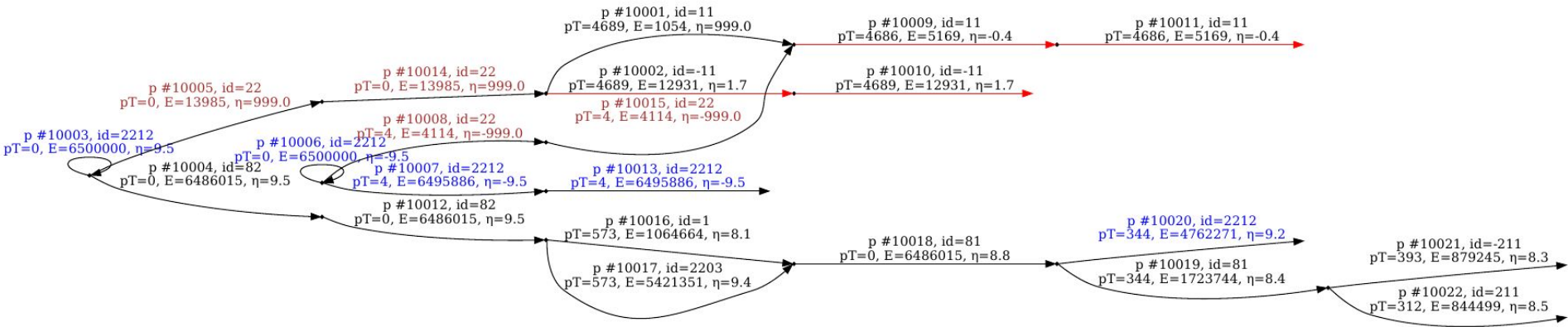
Unfortunately protons breaking up..

Event examples: elastic




Definitely breaking up a lot (red = in $|\eta| < 2.5$).

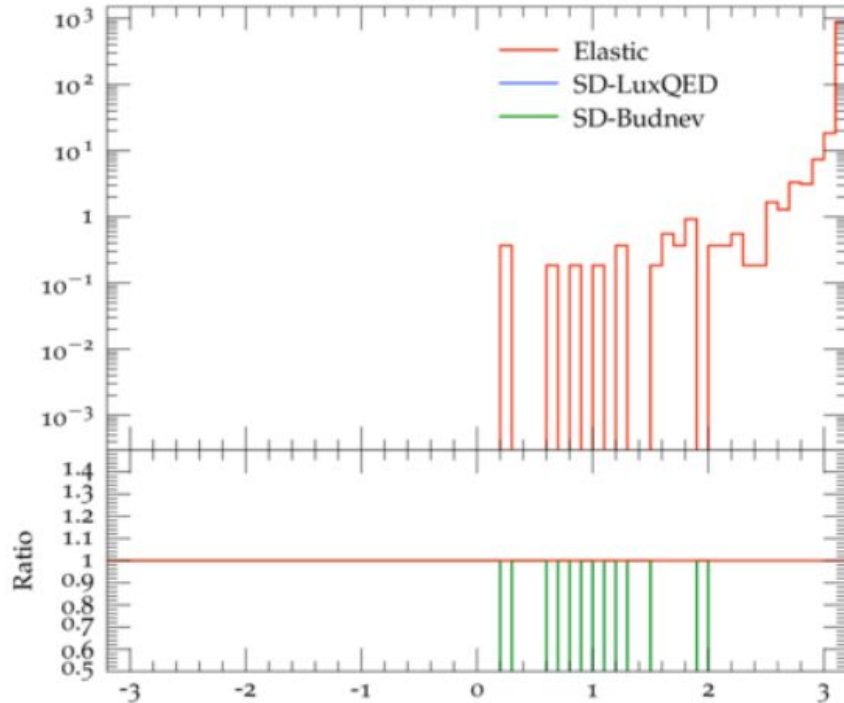
Event example: SD (LuxQED)



Very nicely breaks one proton, keeps the other intact (blue)

Some rivet plots

 Dphill:

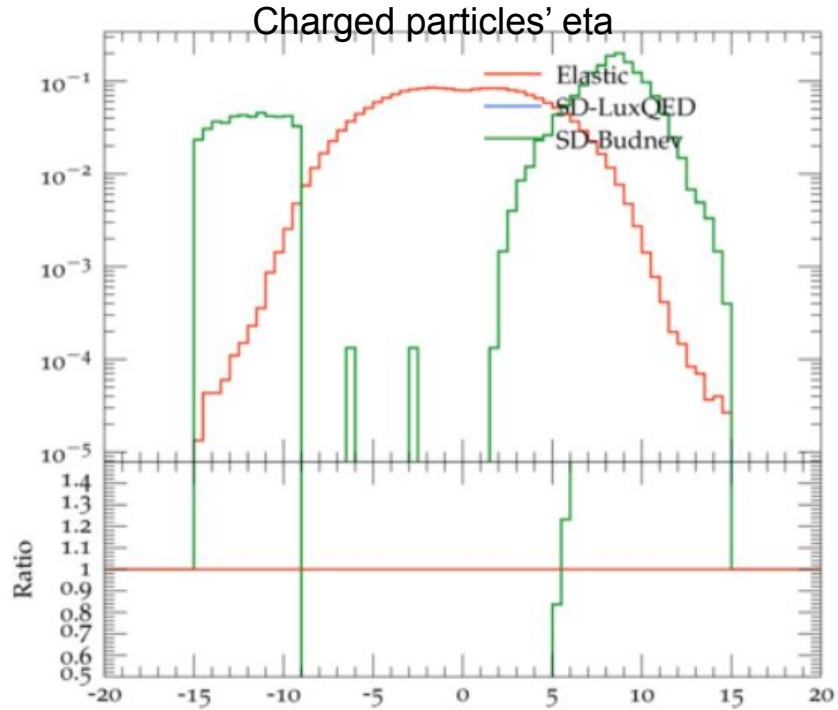


Elastic looking ok in di-lepton system, but we know too much central activity from event visualization

SD has a very soft lepton pT spectrum and tends to fail even loose (> 5 GeV) pT selection.

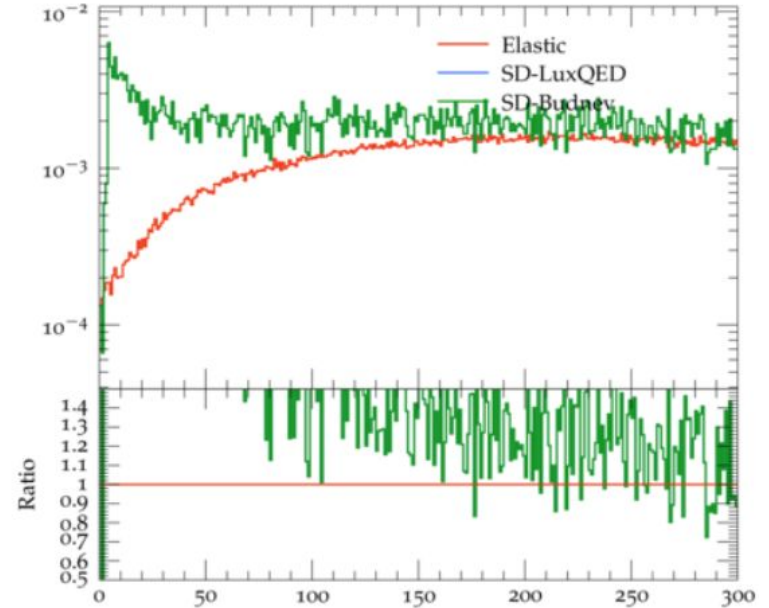
Some Rivet plots

📌 Eta:



Charged particles' pT

📌 Pt:



Looking forward..

Machinery in place. A few more things to debug :)