IQMD AuAu Collision Analysis

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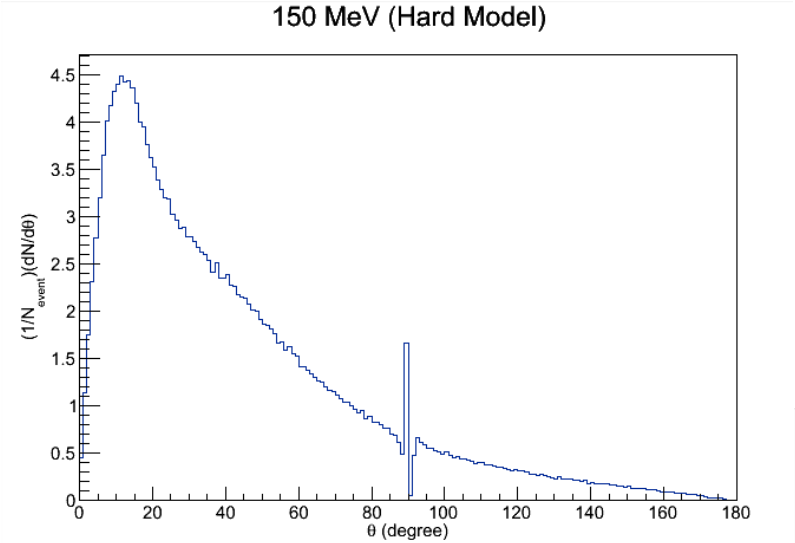
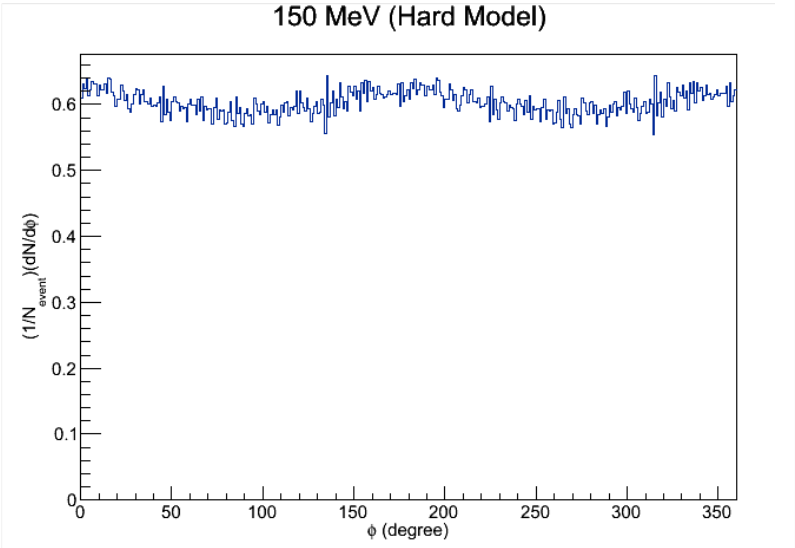
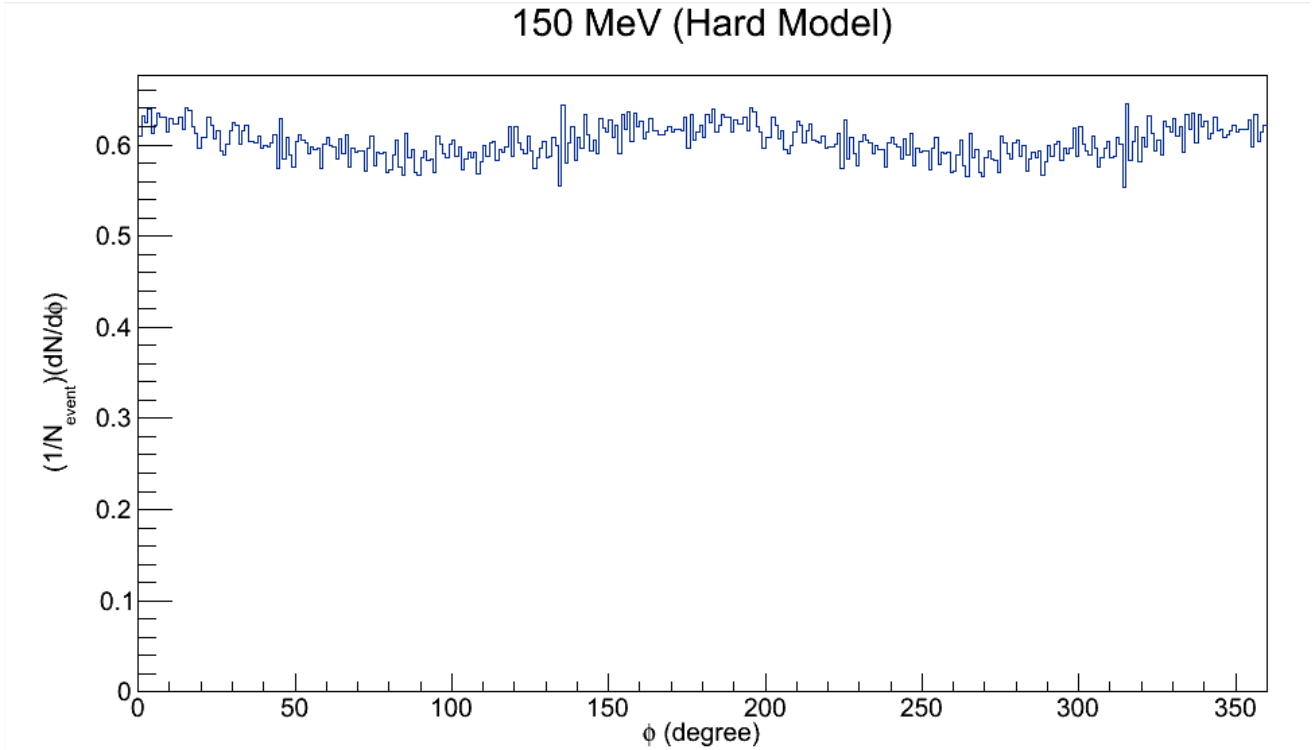
2014/04/18

150 MeV (Hard Model)

#of event = 5169
<#of particles per event> = 217.2
<#of neutrons per event> = 116.0 (53.4%)

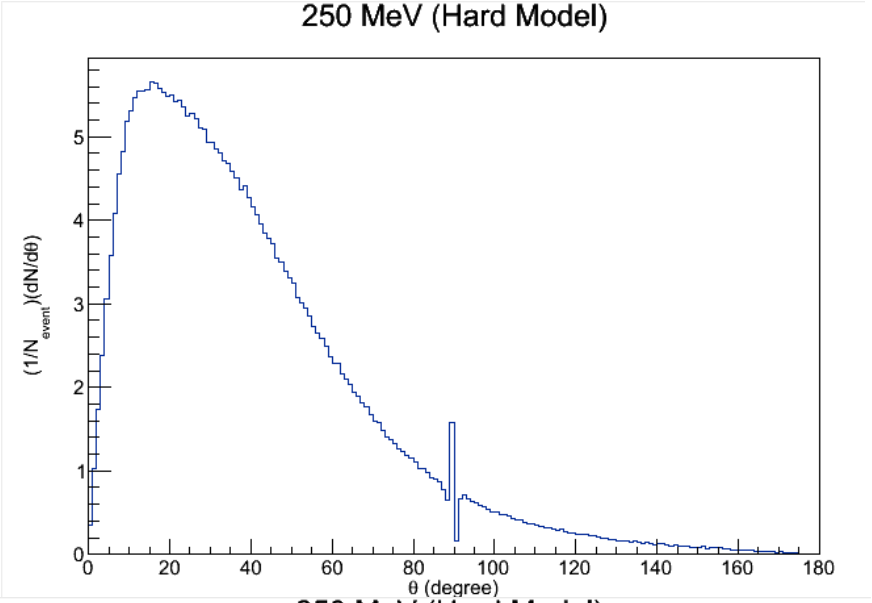


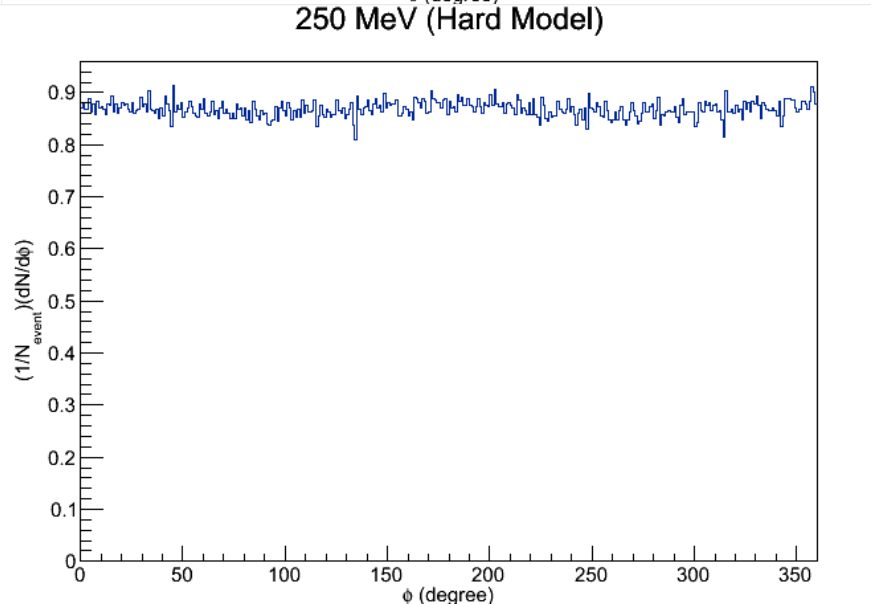




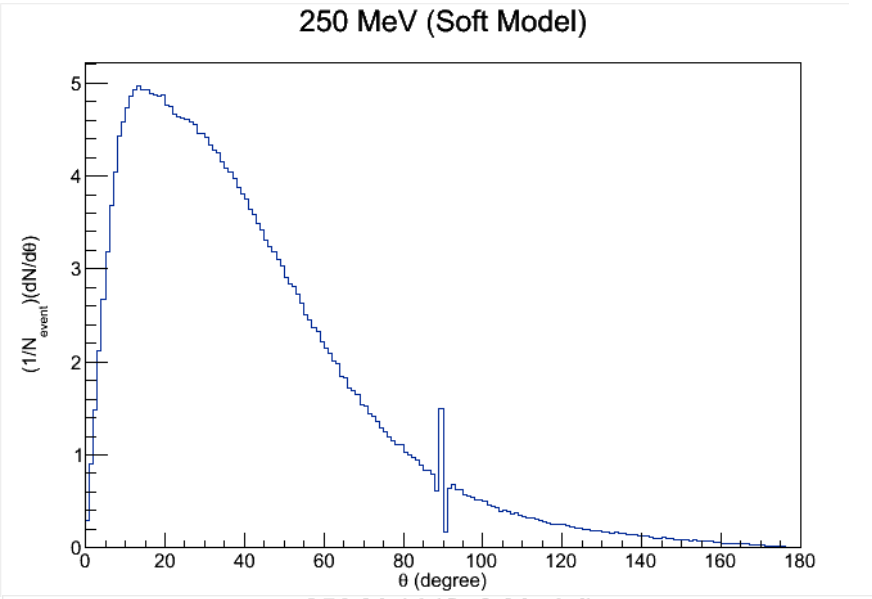
250 MeV (Hard/Soft Model)

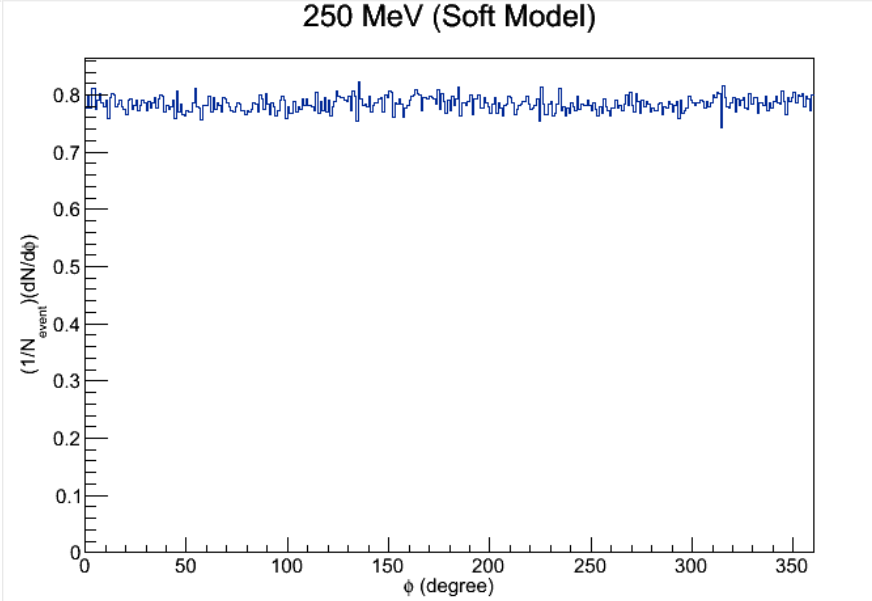
#of event = 9879
<#of particles per event> = 311.9
<#of neutrons per event> = 170.8 (54.8%)





#of event = 9861
<#of particles per event> = 282.8
<#of neutrons per event> = 148.2 (52.4%)

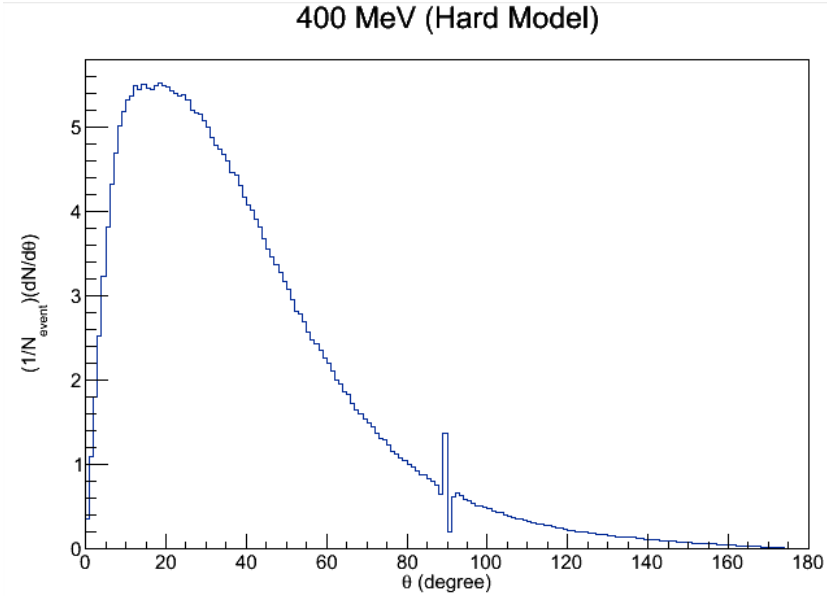


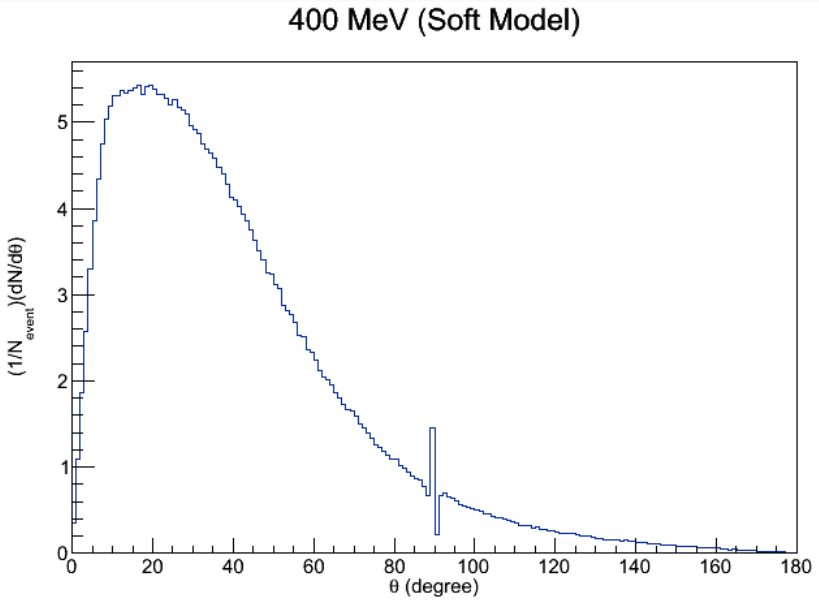


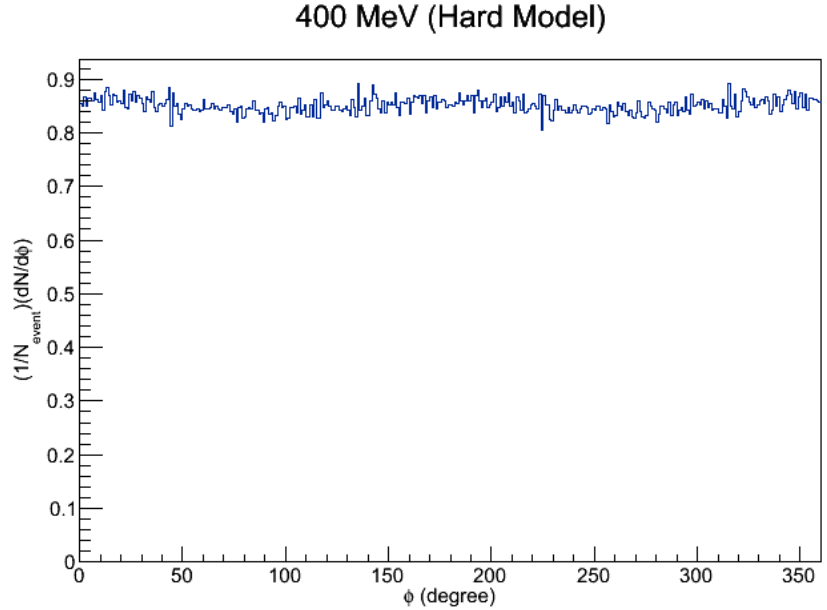
400 MeV (Hard/Soft Model)

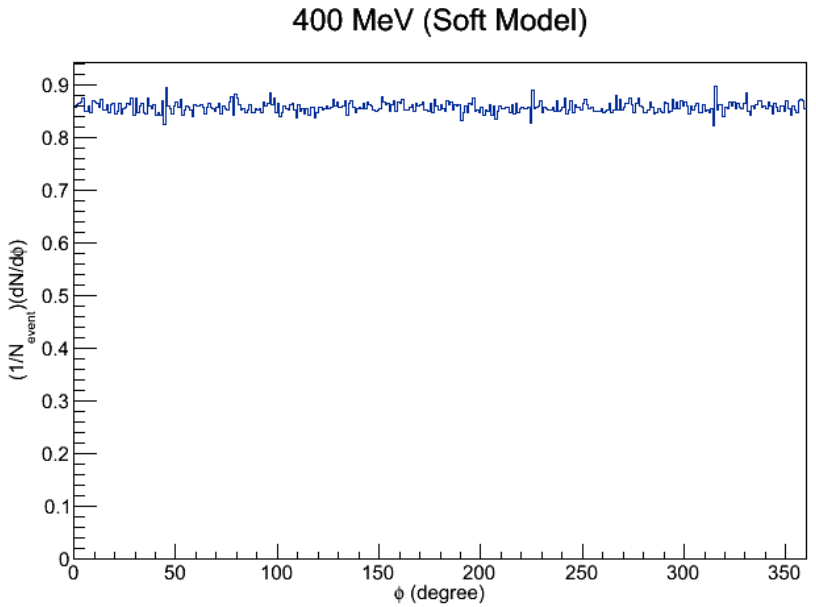
#of event = 9914
<#of particles per event> = 306.2
<#of neutrons per event> = 163.3 (53.3%)

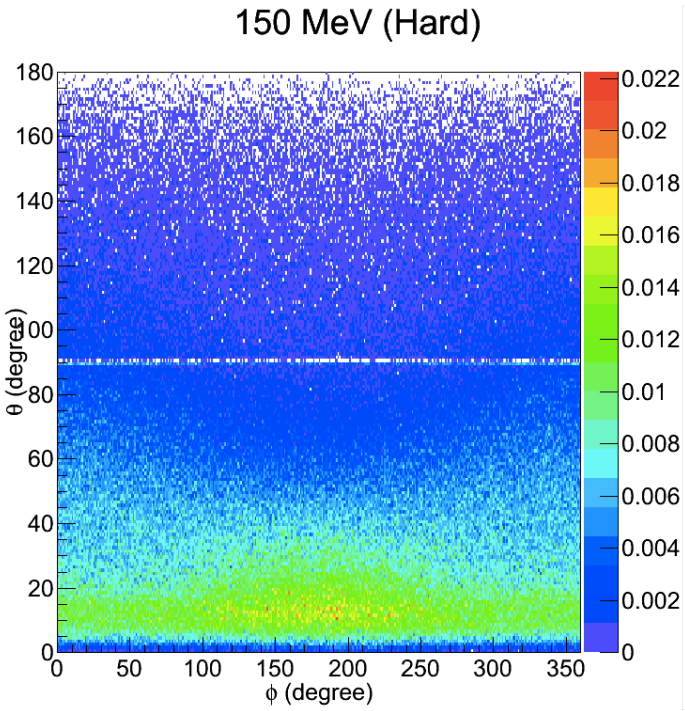
#of event = 9888
<#of particles per event> = 308.3
<#of neutrons per event> = 161.0 (52.2%)

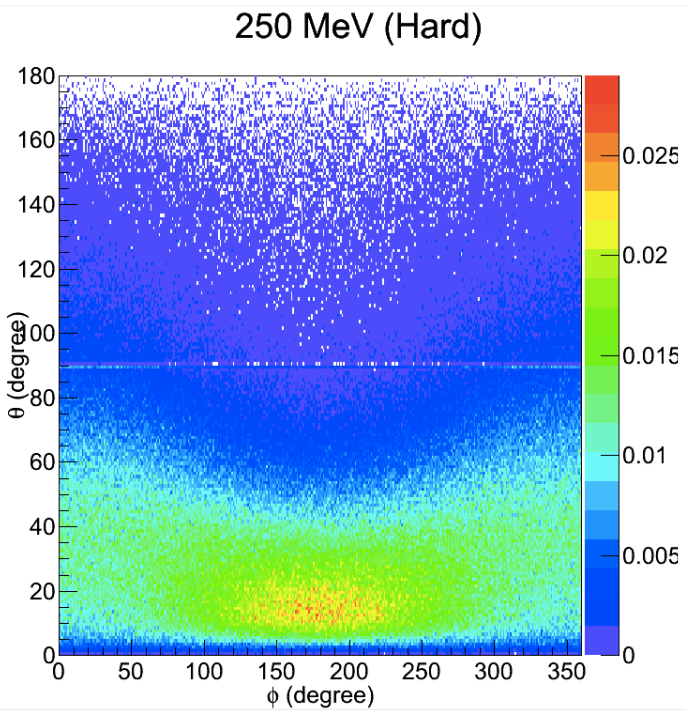


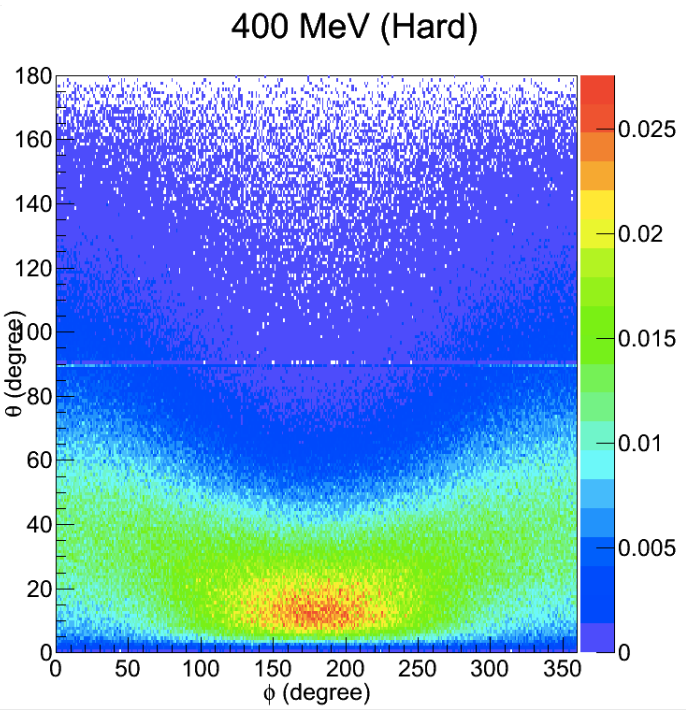


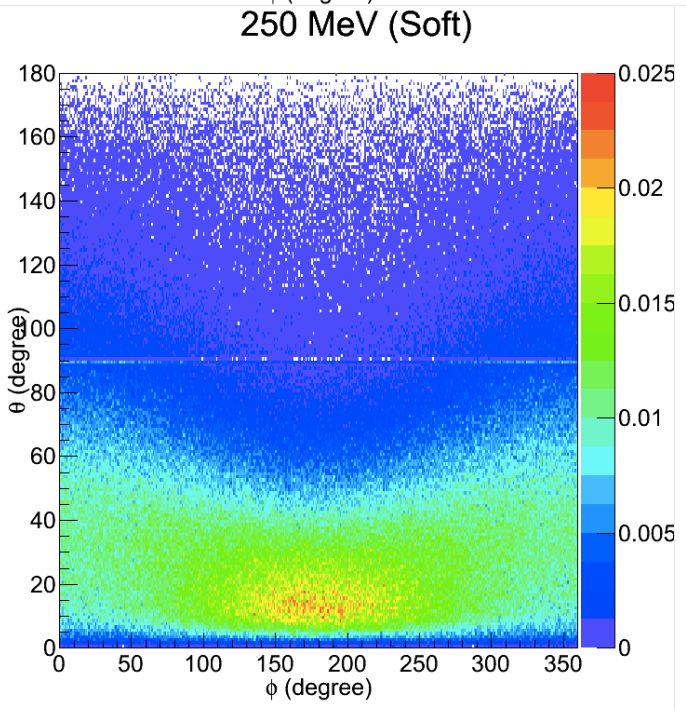


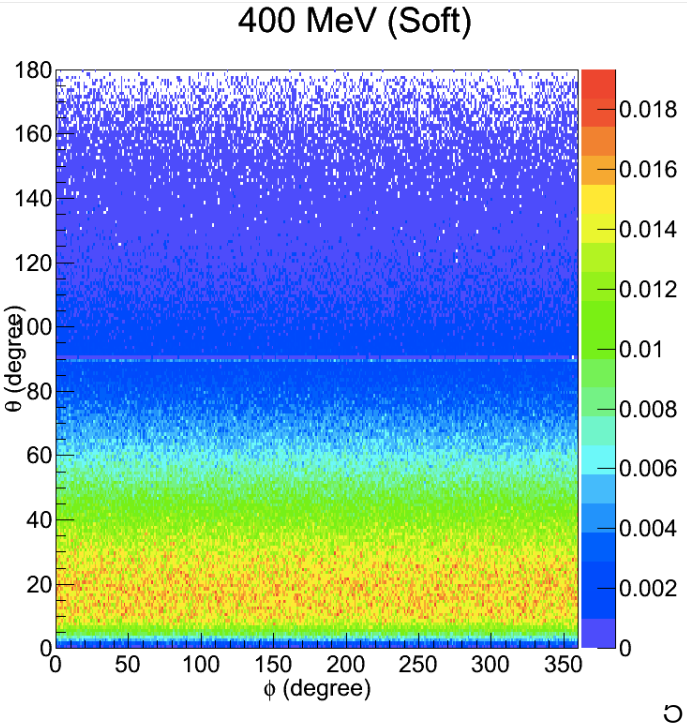






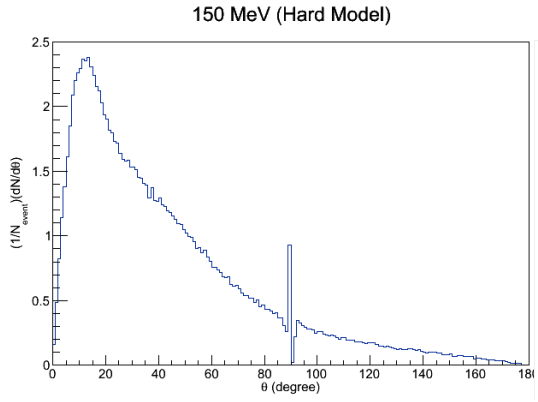


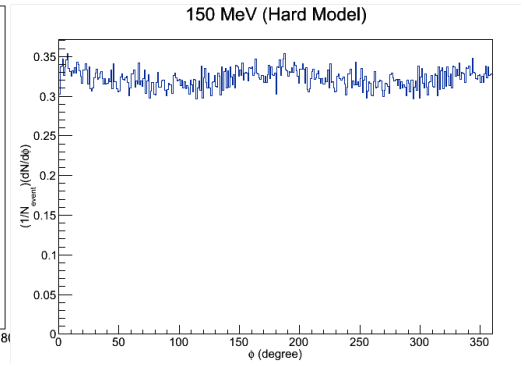


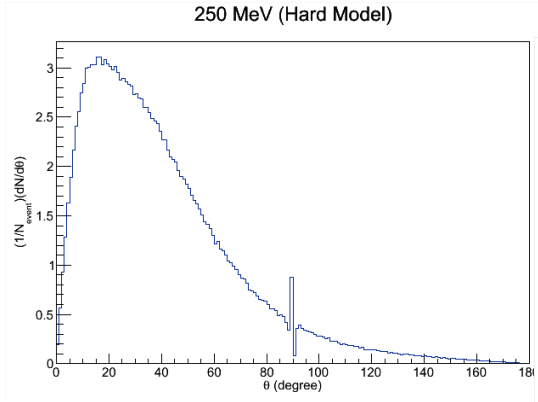


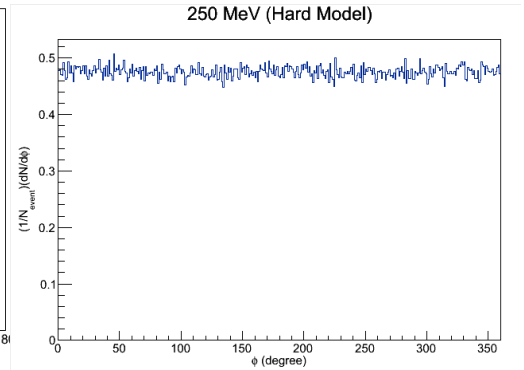
angular distribution for all particles

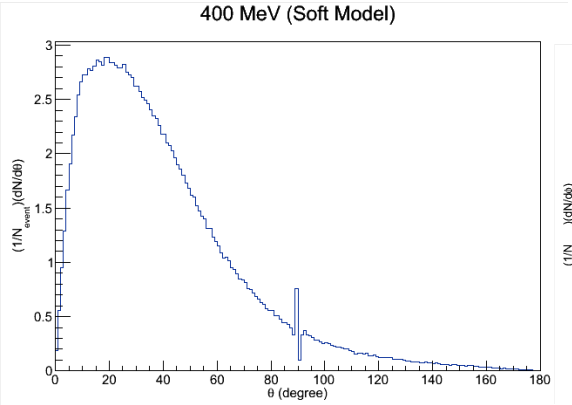
Only Neutrons

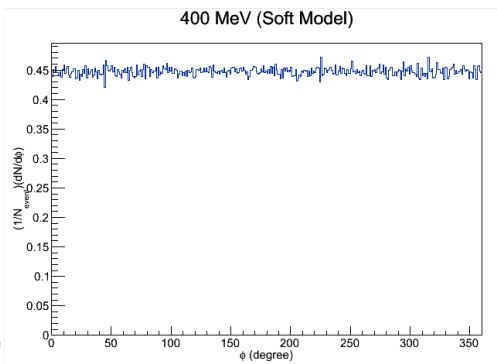


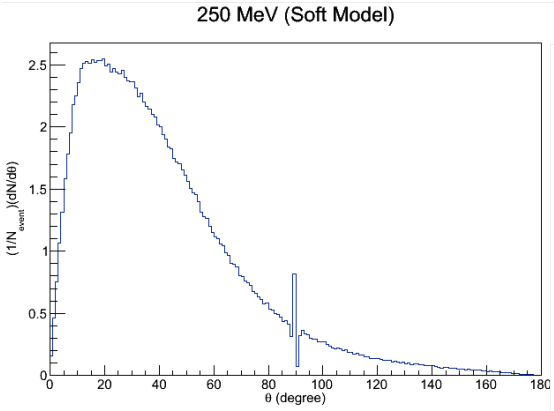


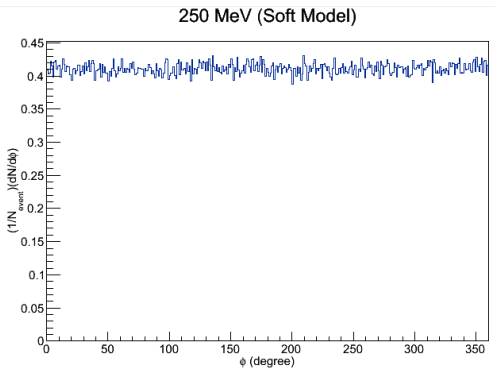


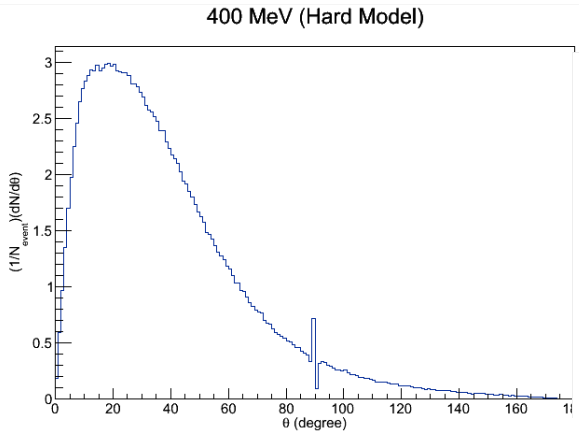


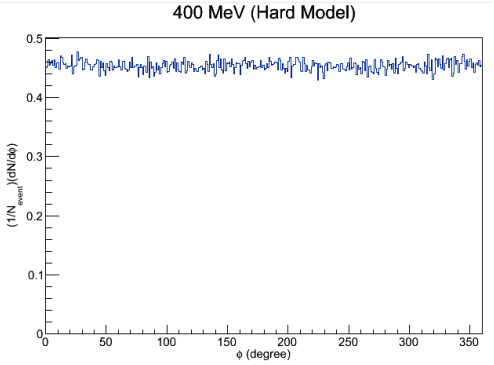




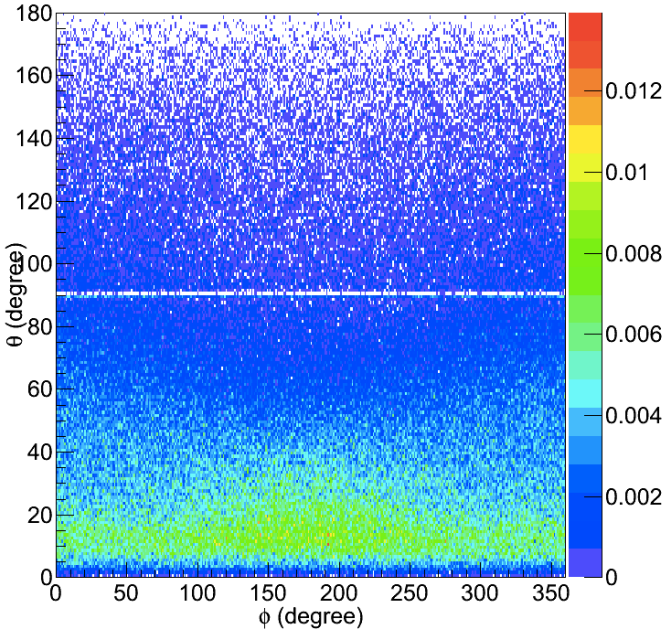




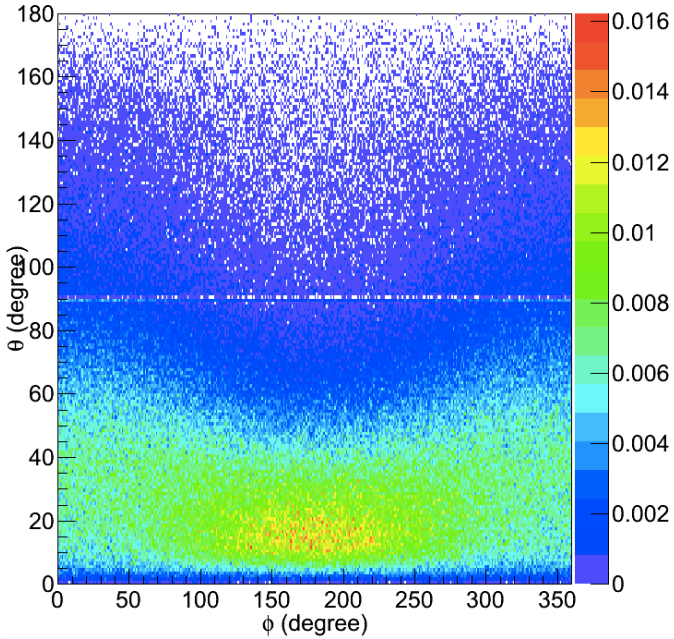




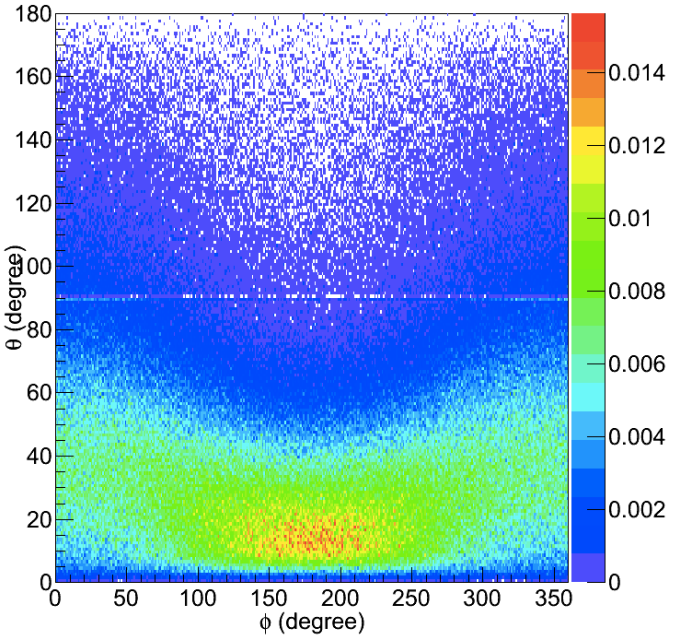
150 MeV (Hard)



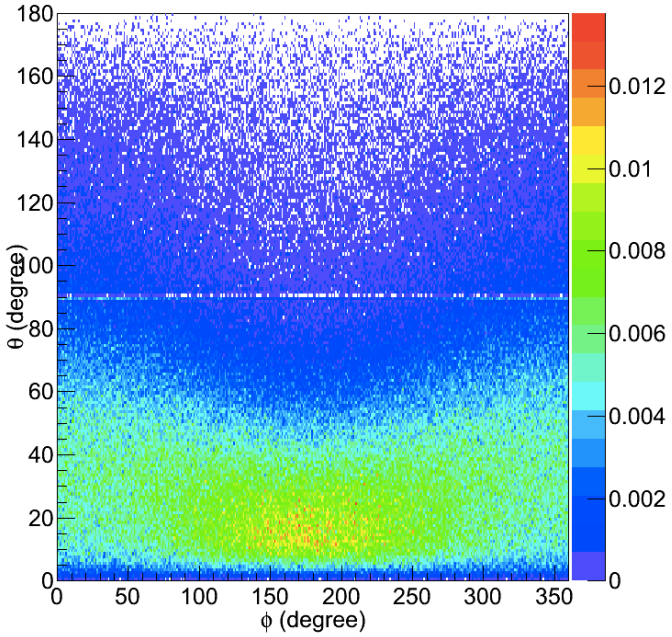
250 MeV (Hard)



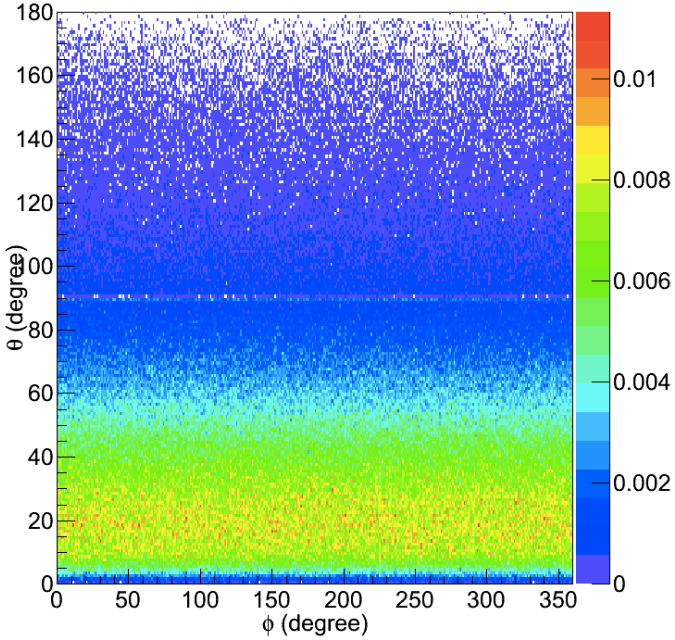
400 MeV (Hard)



250 MeV (Soft)



400 MeV (Soft)



angular distribution only for neutrons

- strange peak at 90 deg. in theta distribution?
- not uniform phi distribution?