

Antiproton interaction with nuclei in INCL (data comparison)

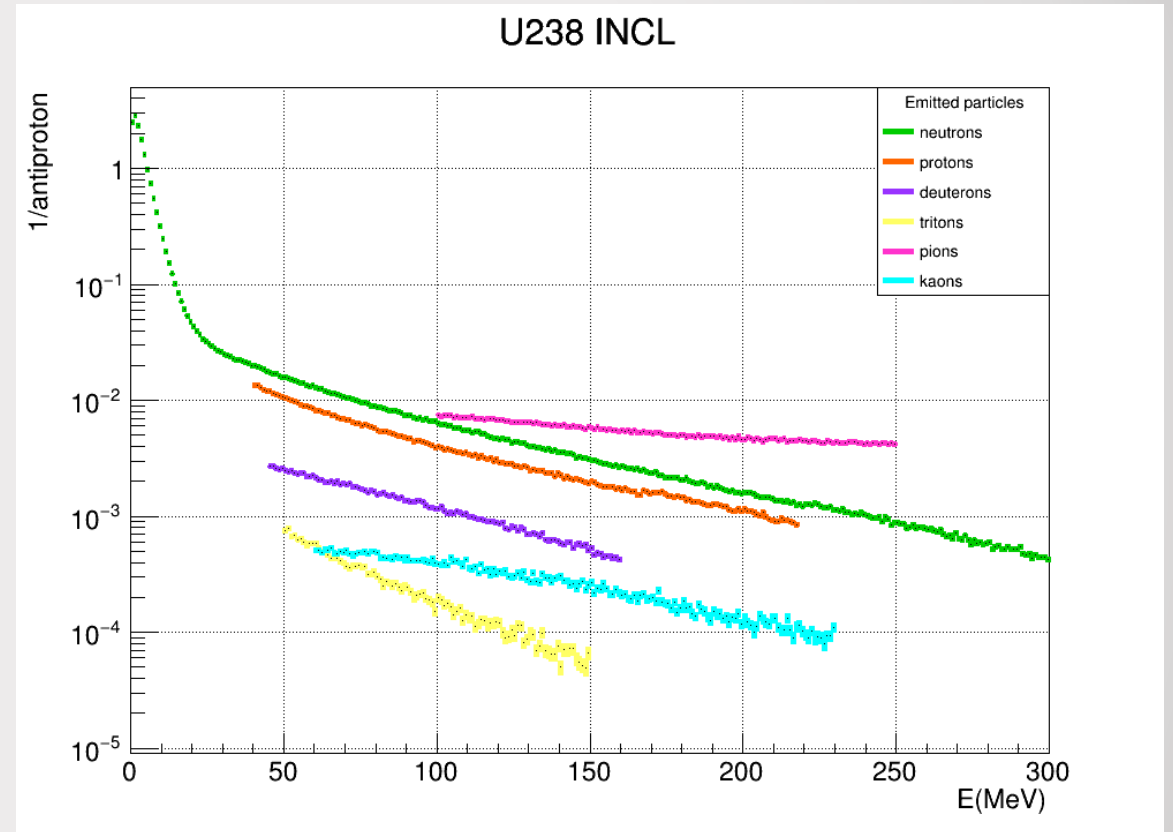
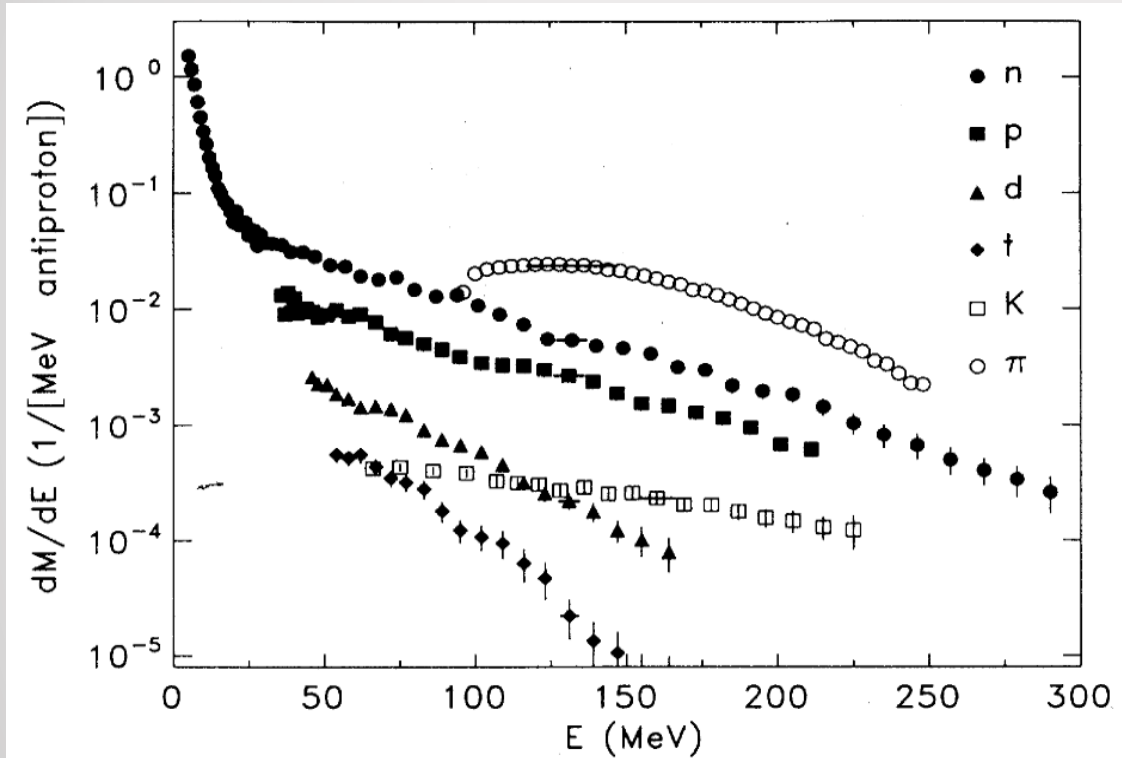
Demid Zharenov

December 2022

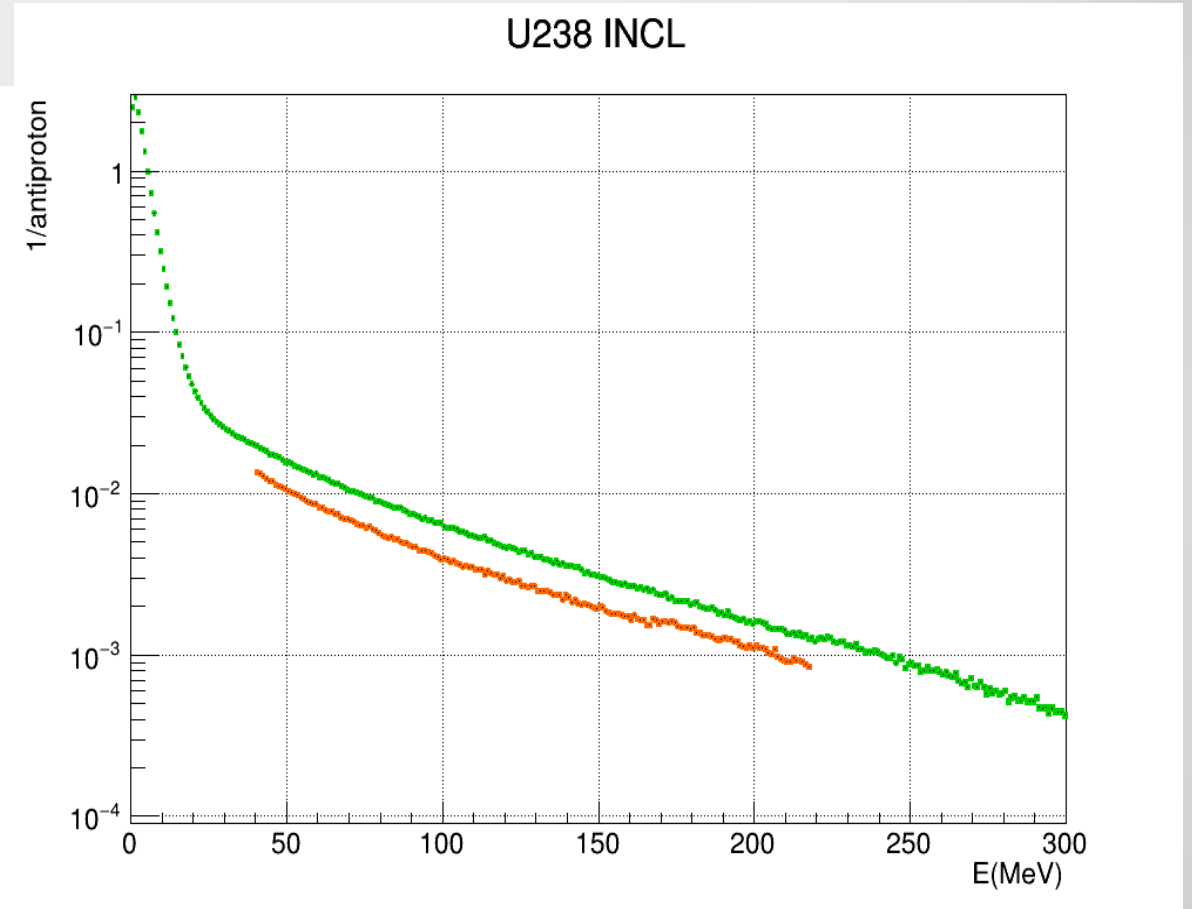
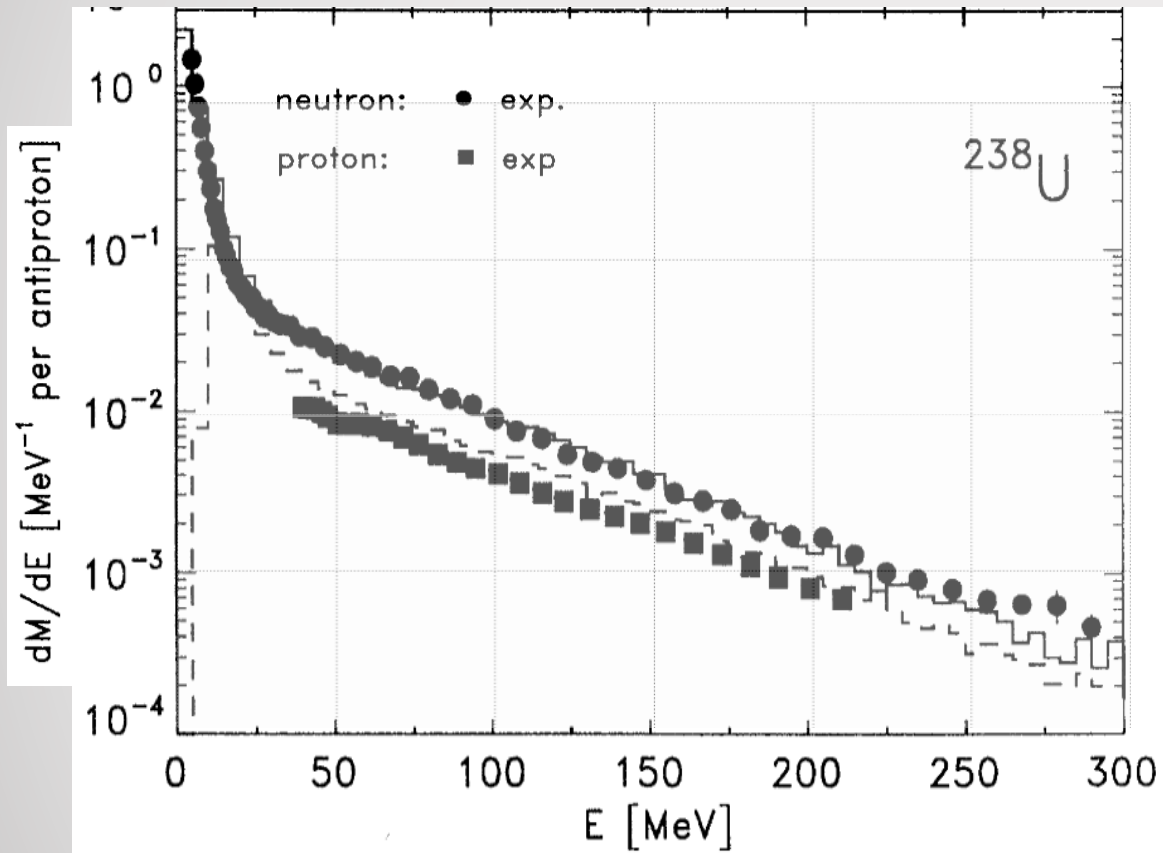
Types of data

- Outgoing particle spectra
- Residual nuclei spectra

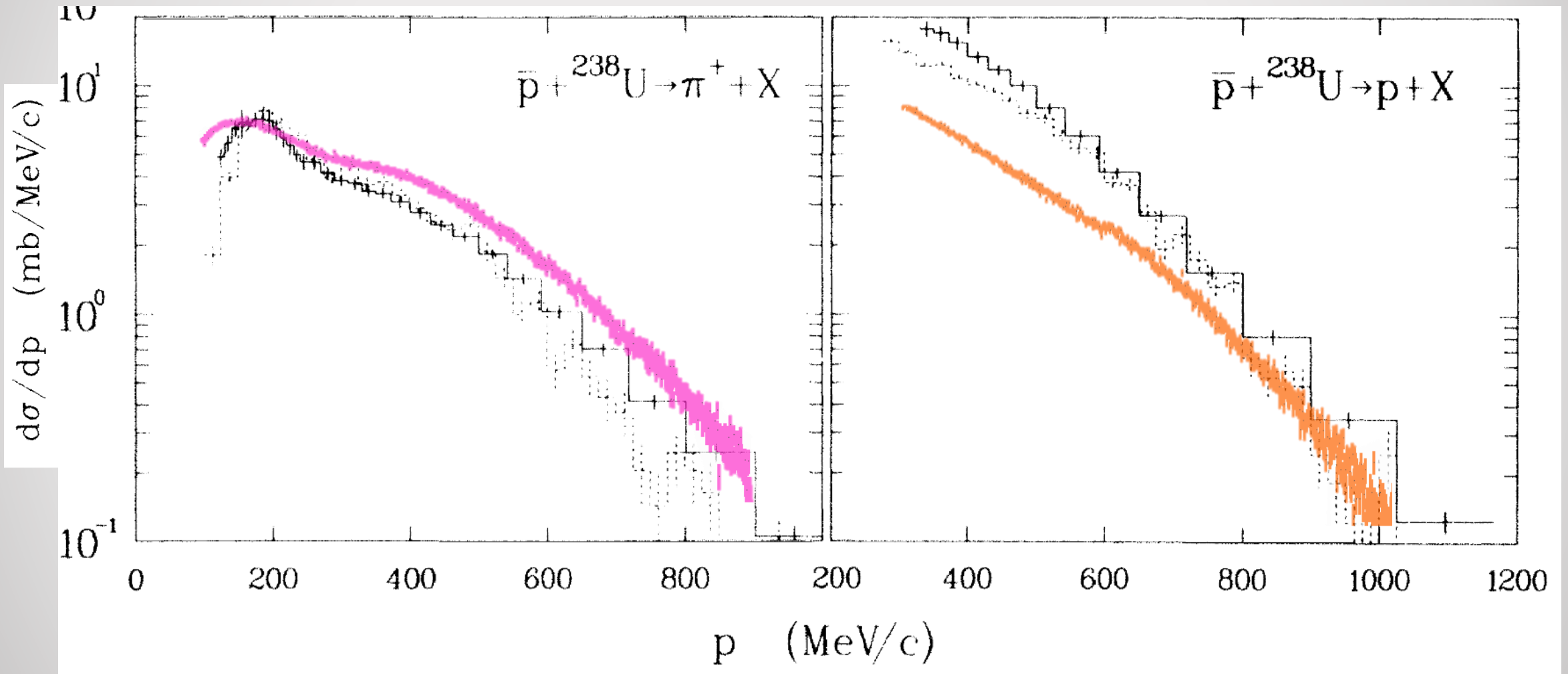
U238



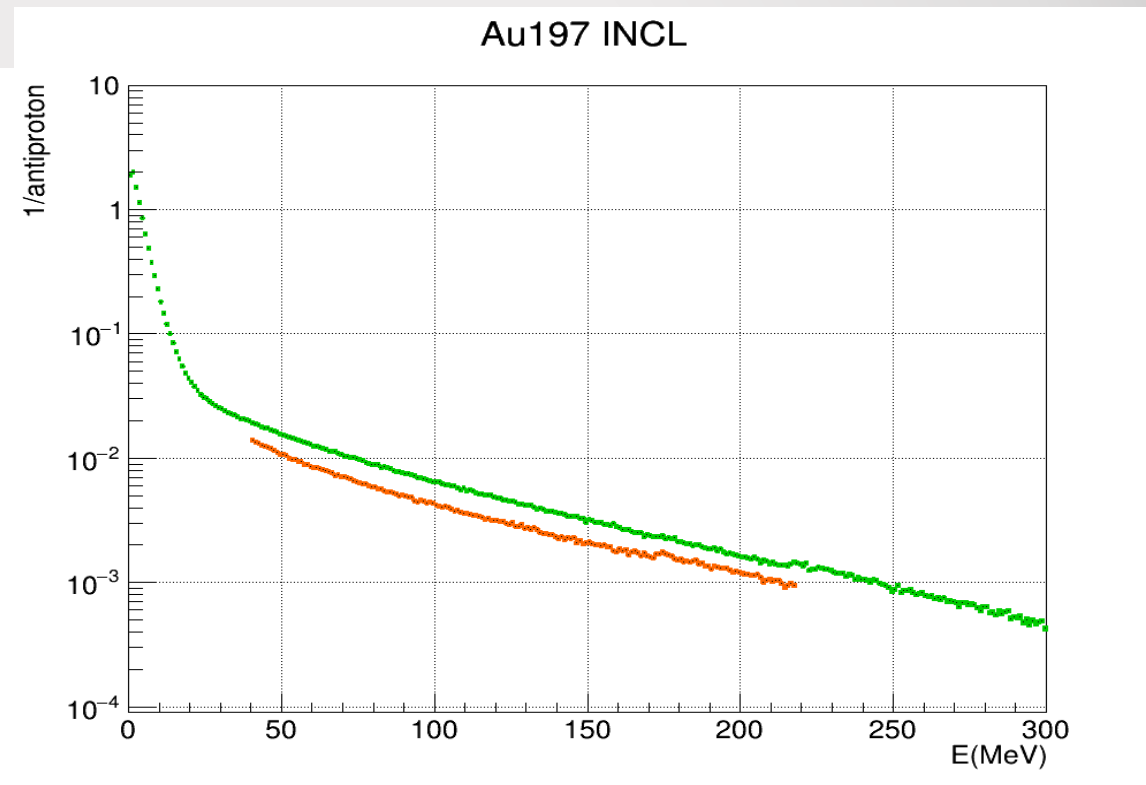
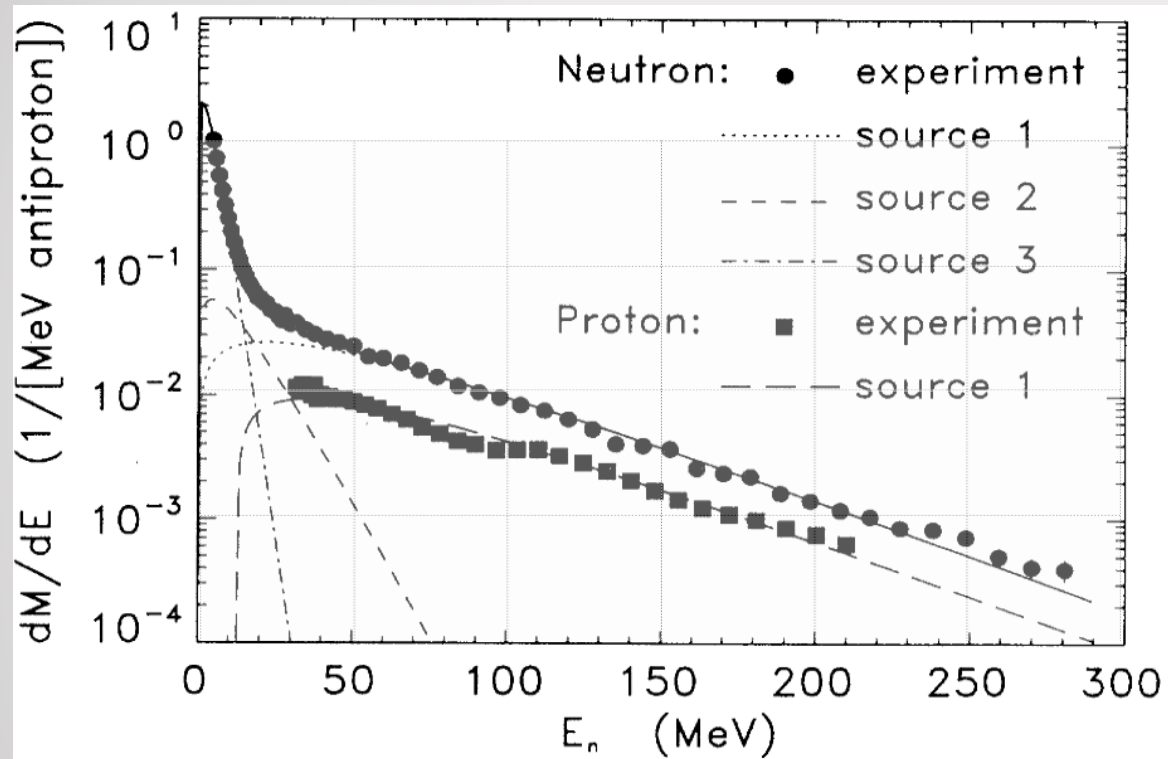
U238



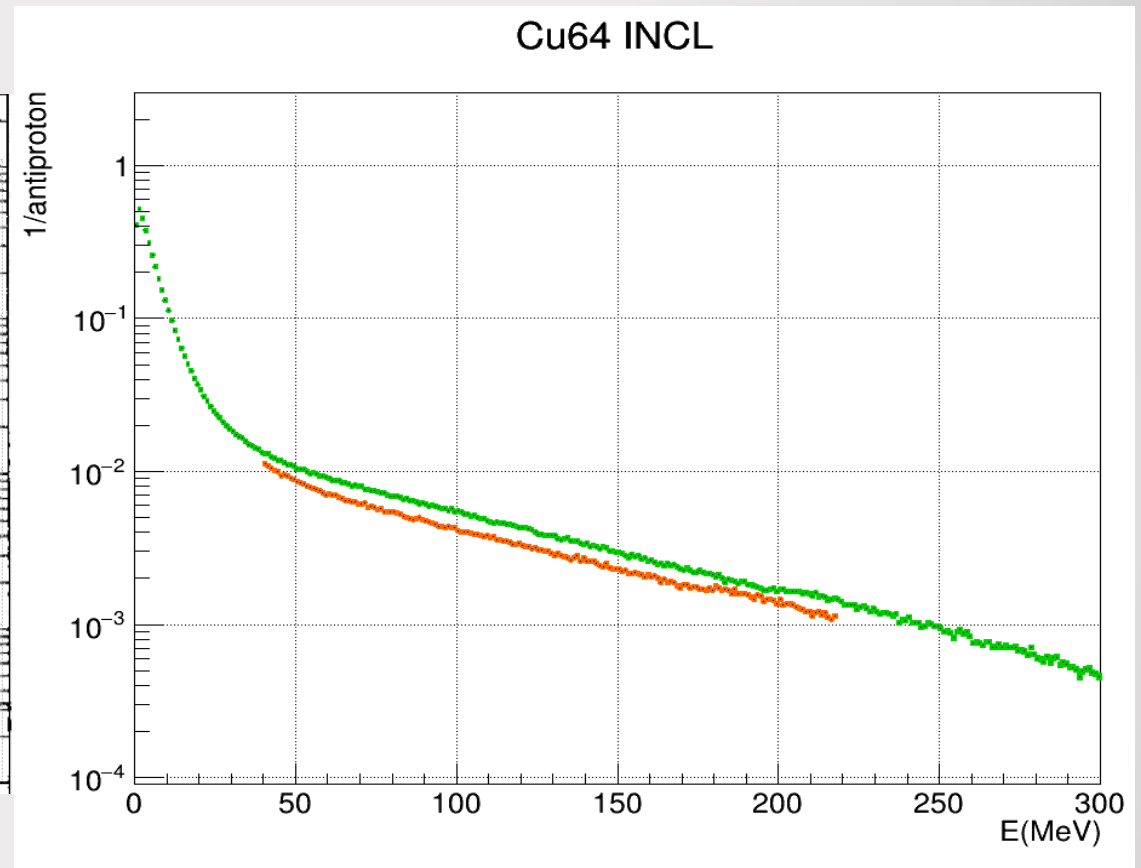
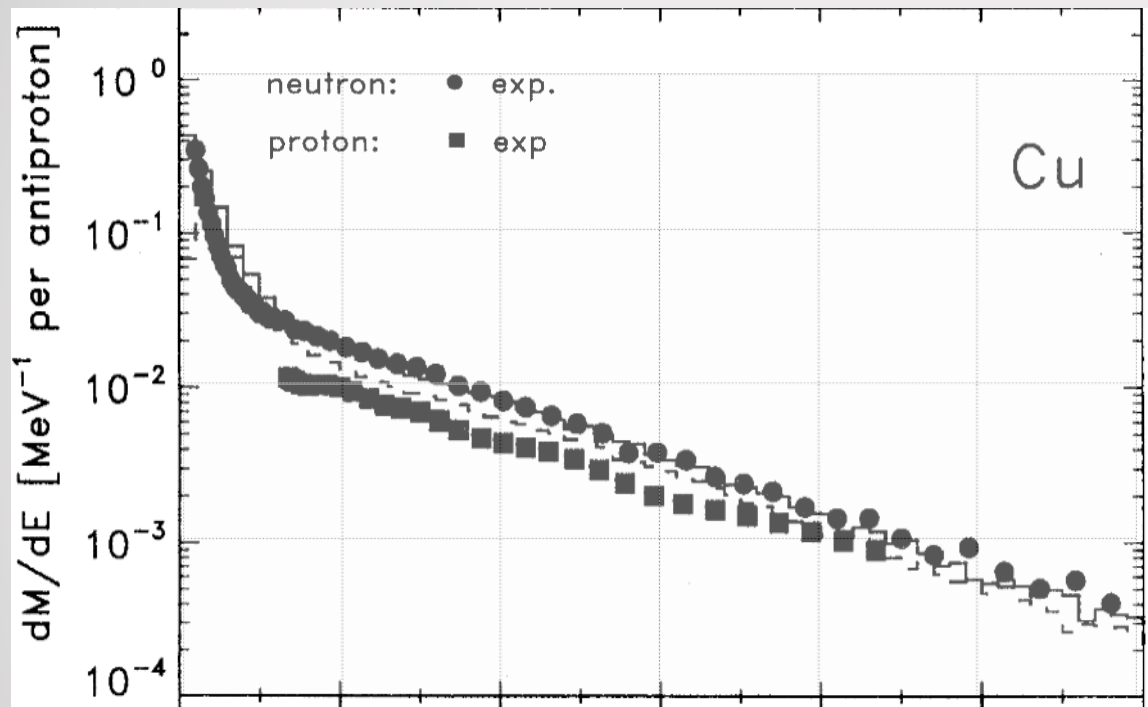
U238(608MeV/c)



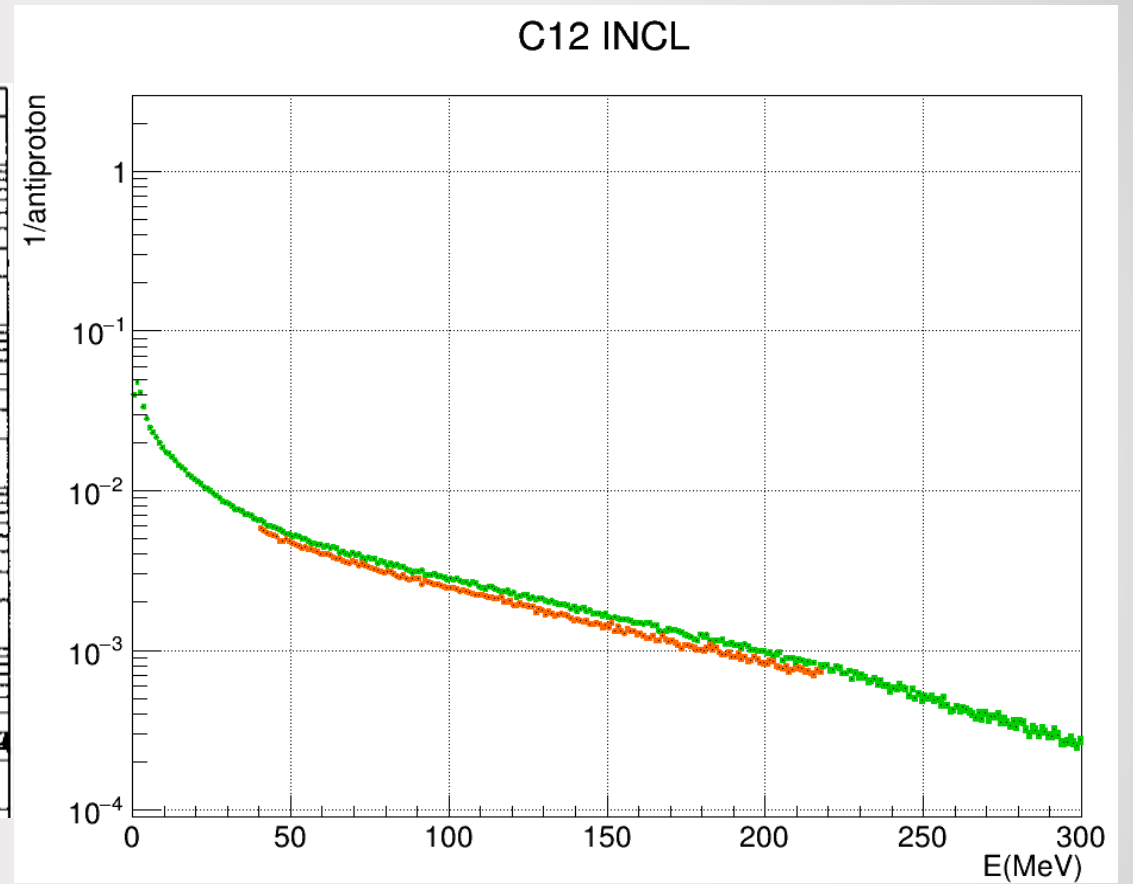
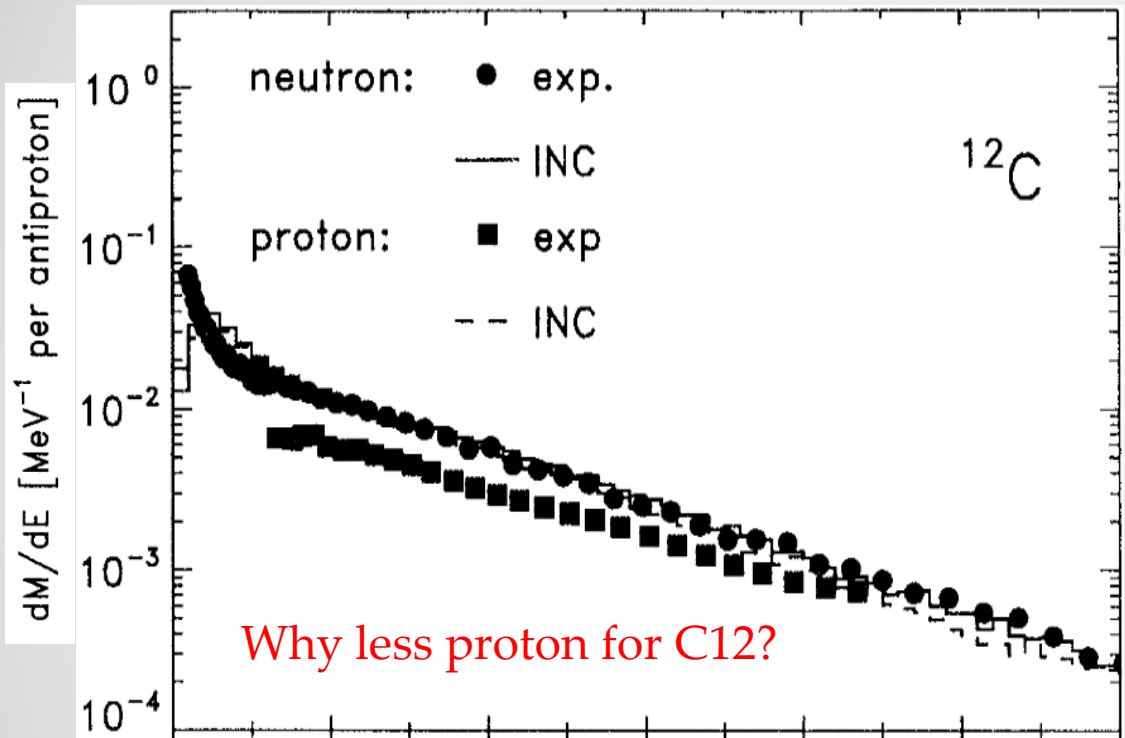
Au197



Cu64

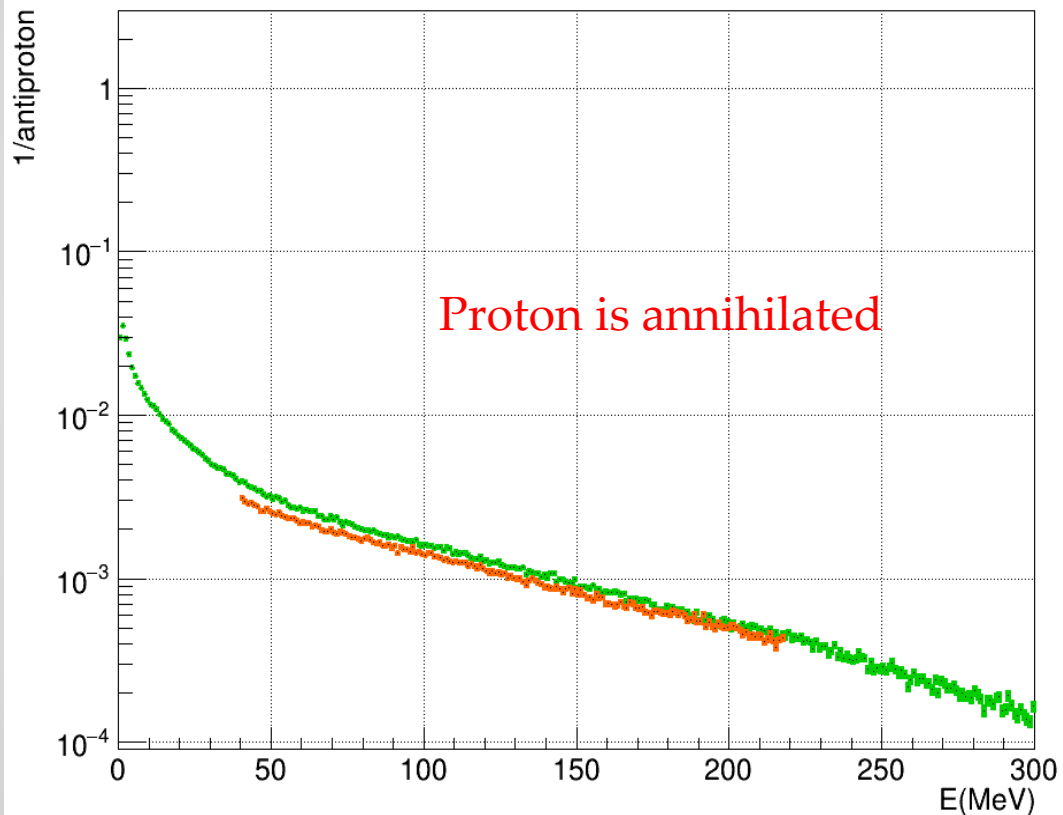


C12

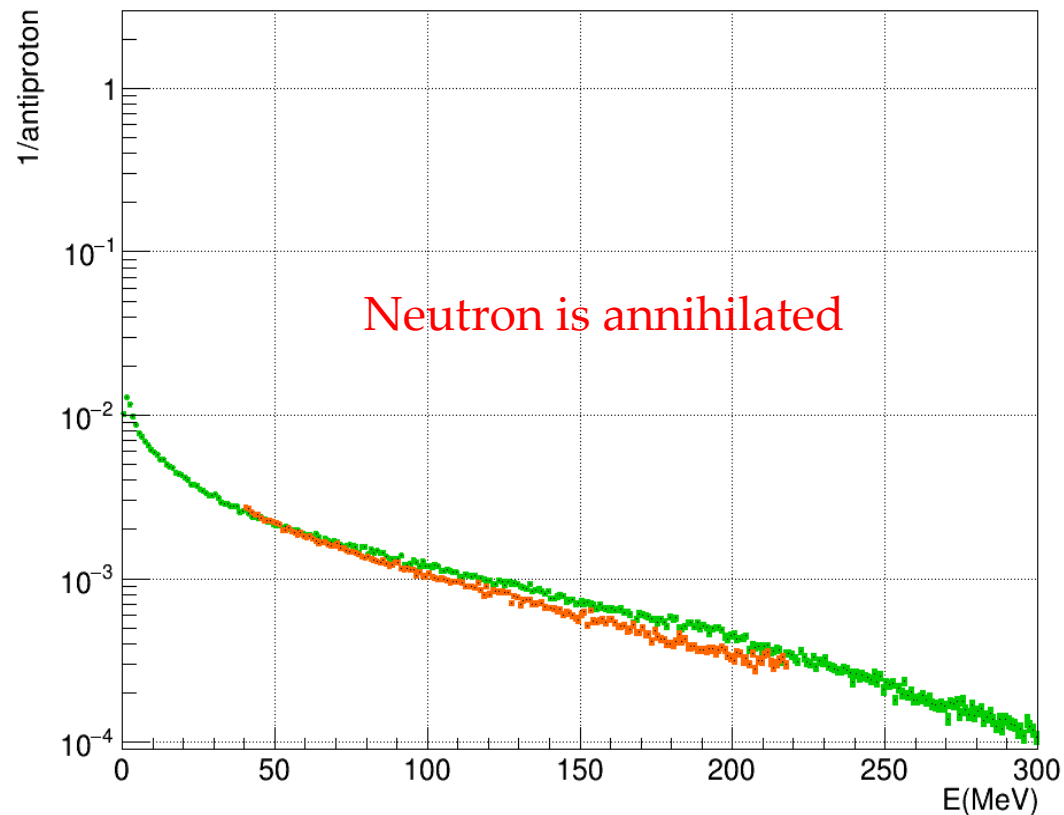


C12(n/p annihilation)

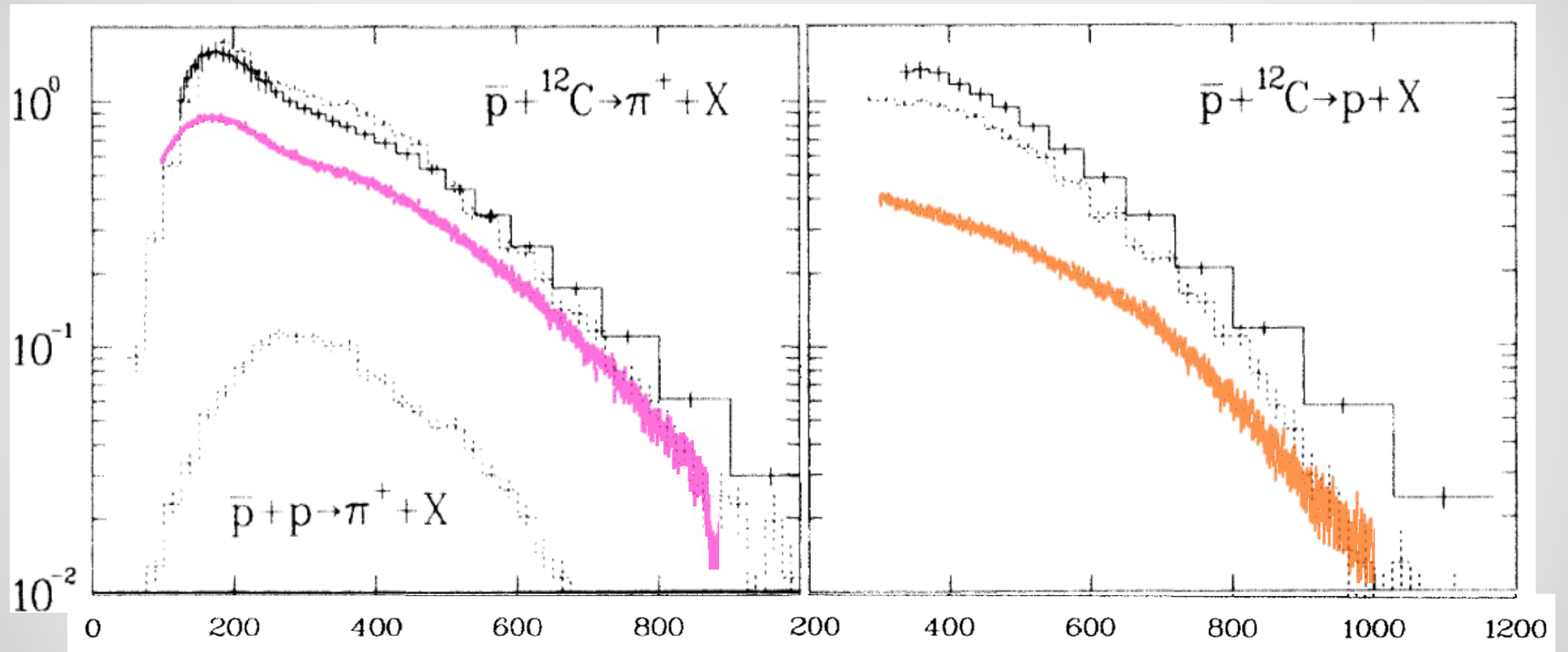
C12 INCL



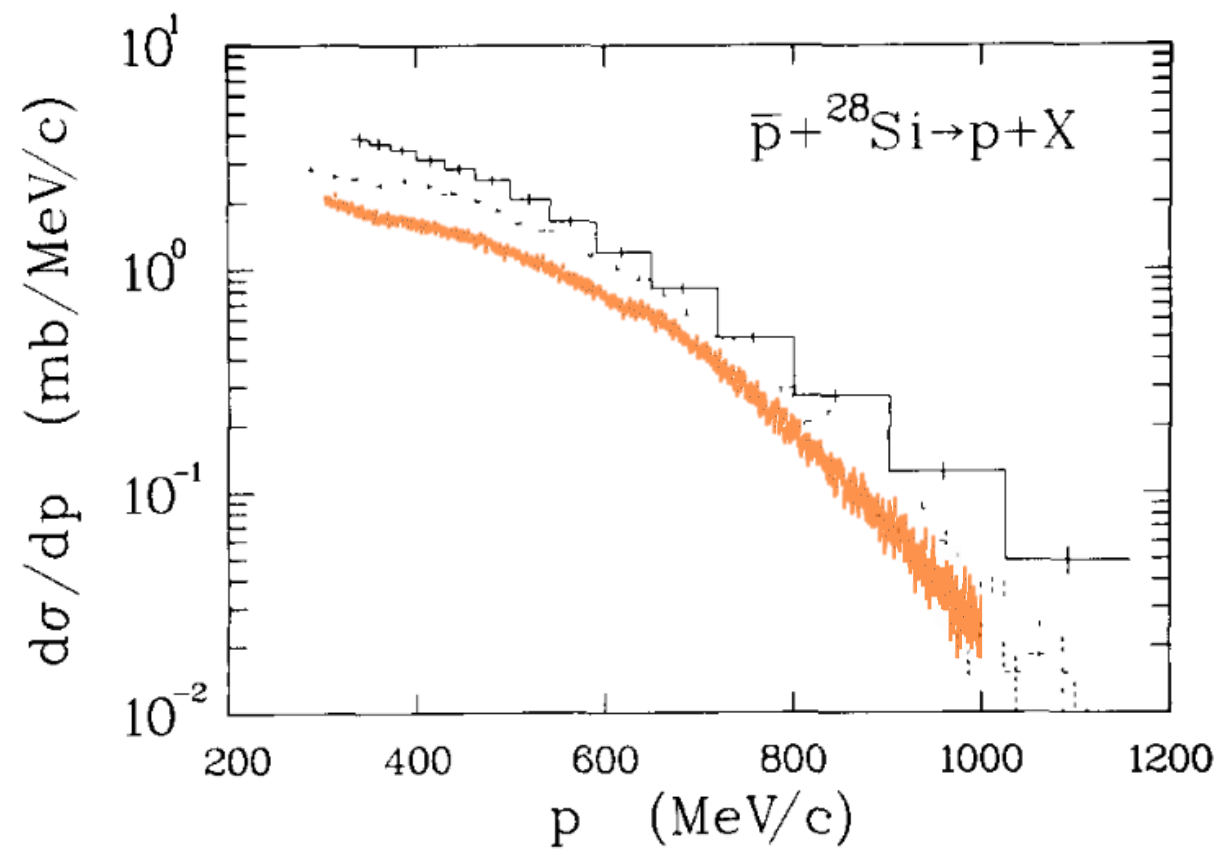
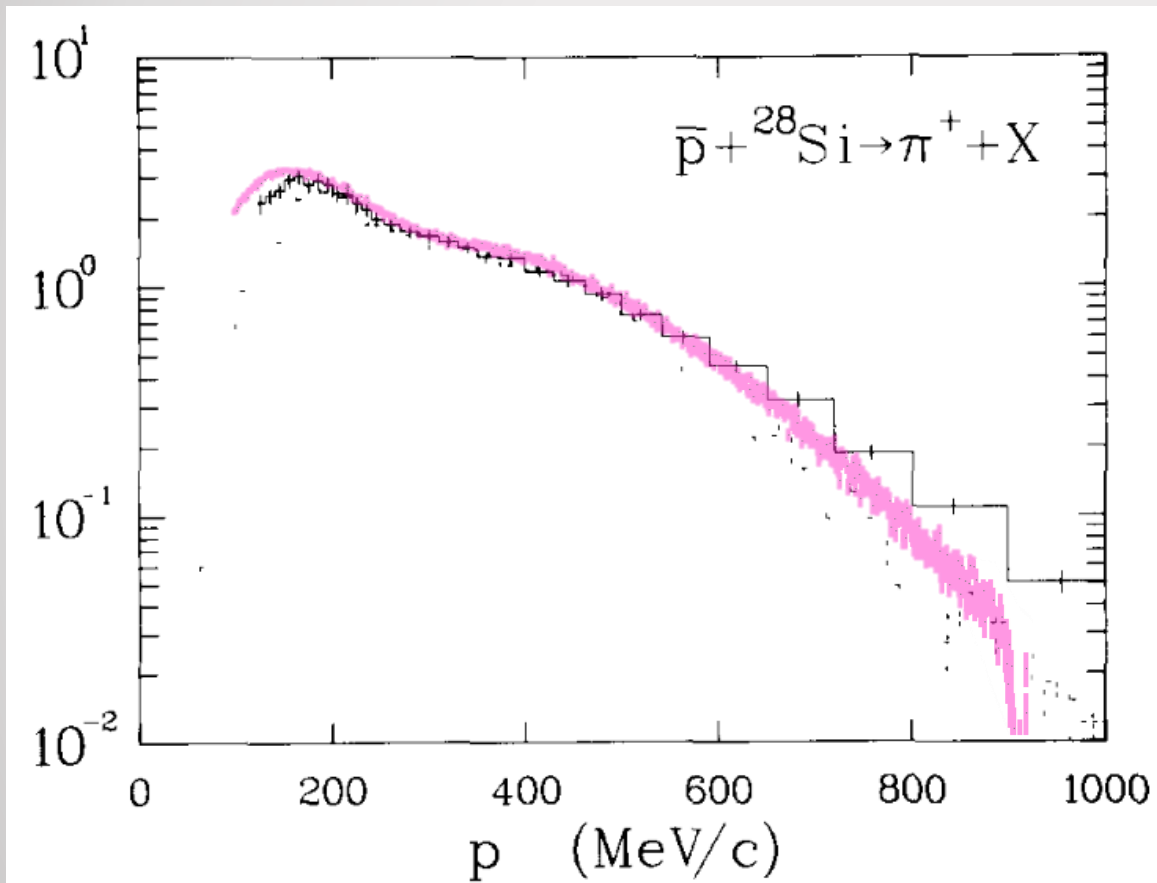
C12 INCL



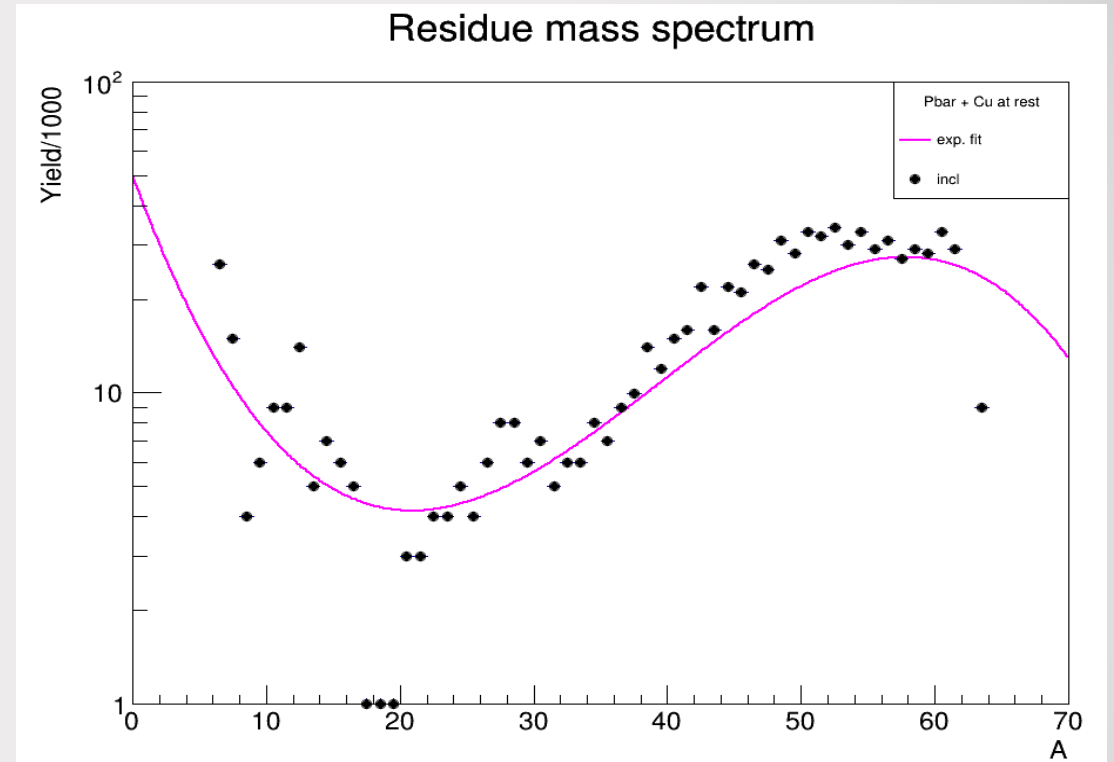
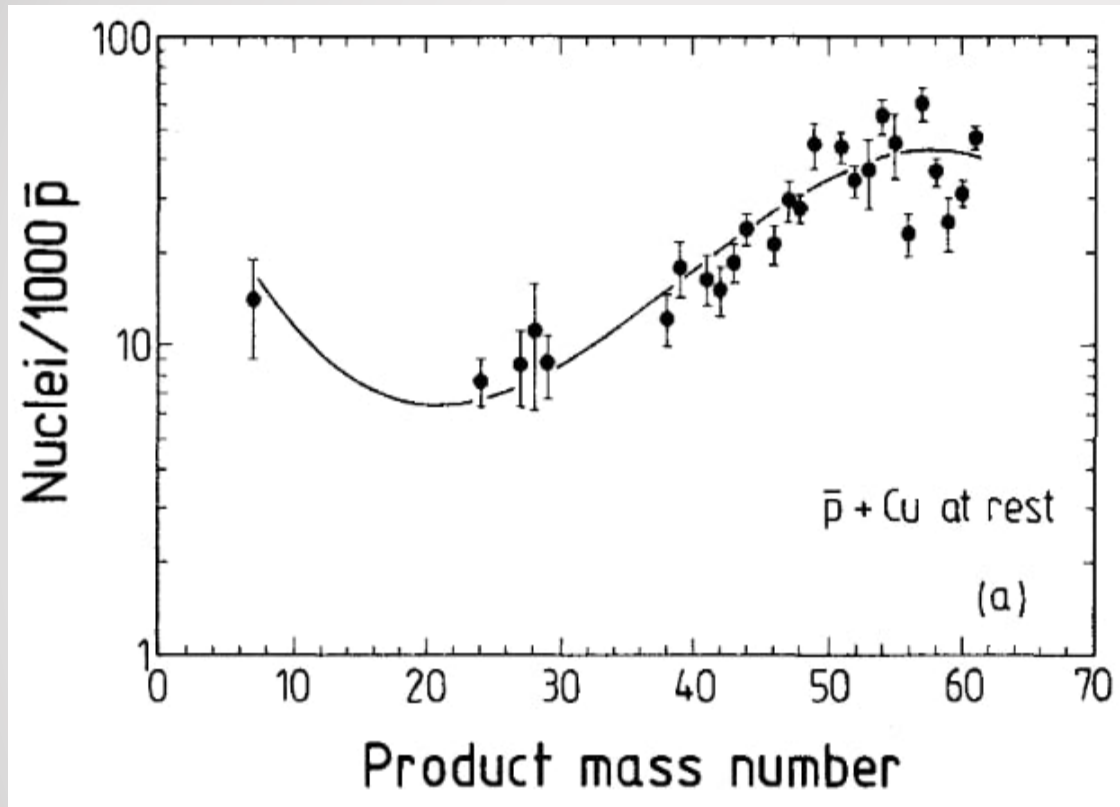
C12(608MeV/c)



Si28(608MeV/c)

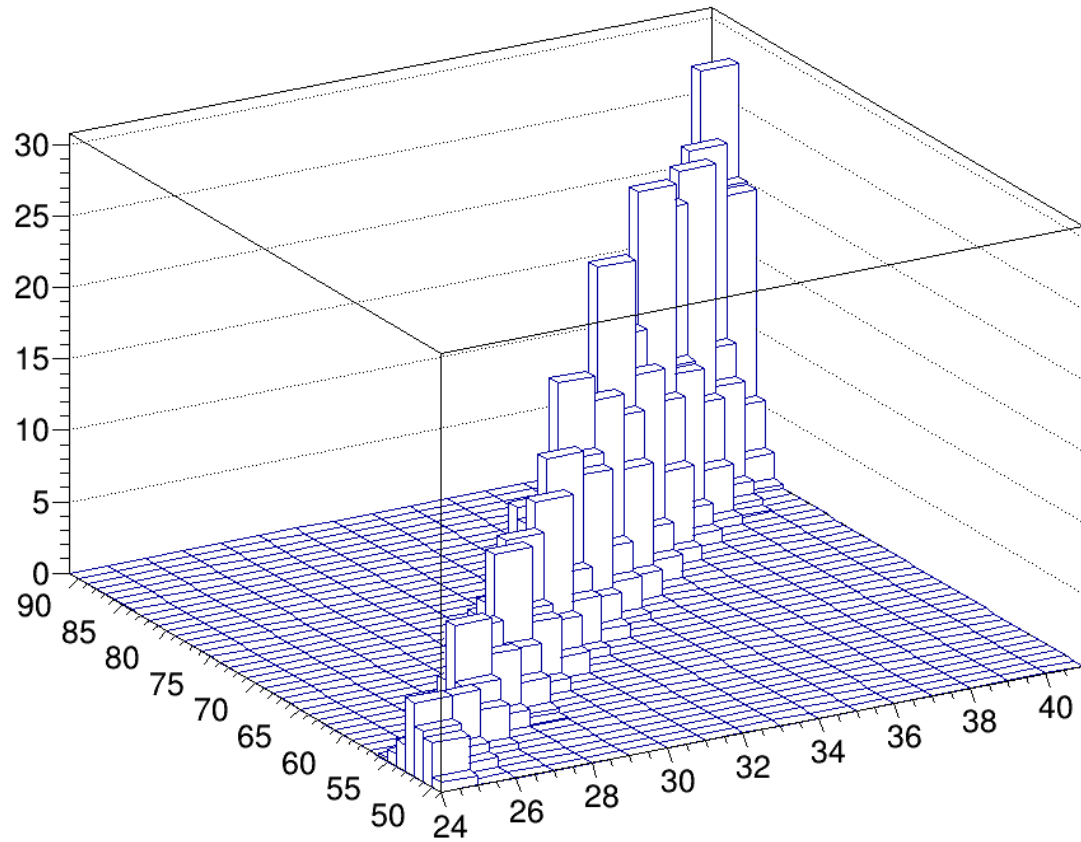


Cu

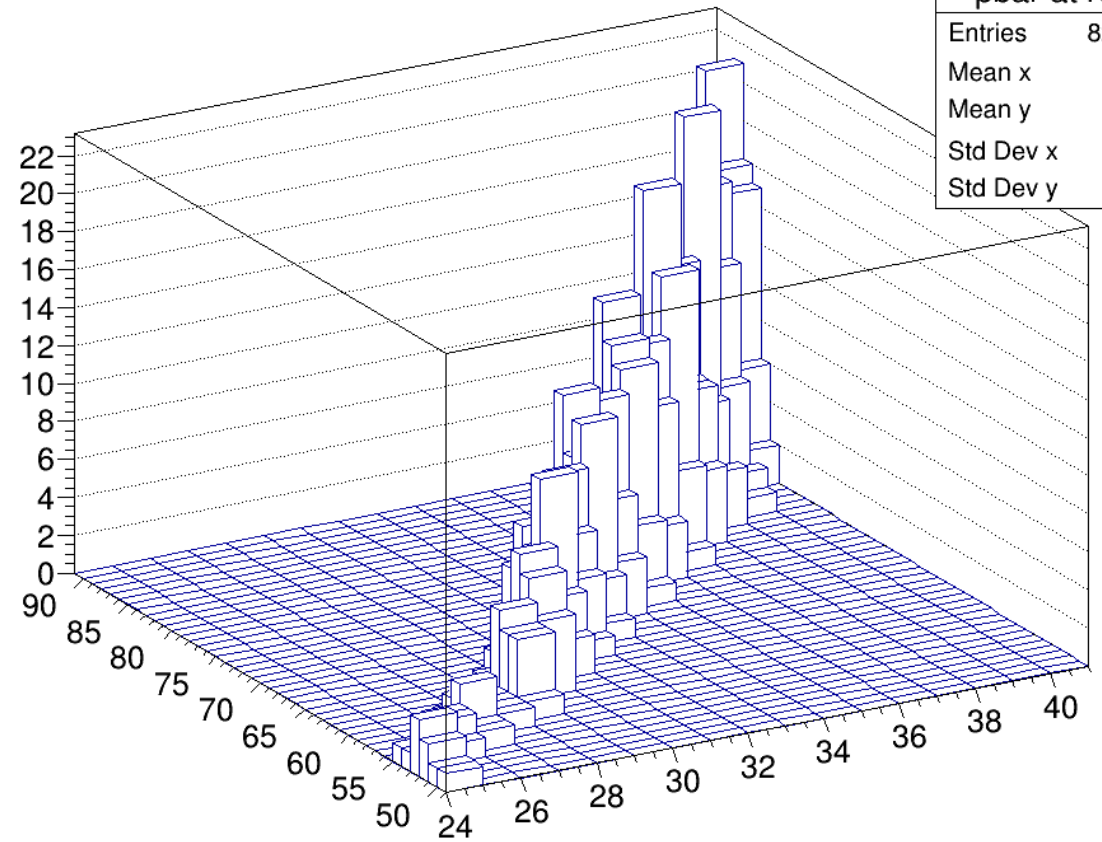


Mo92

exp, T=Mo92



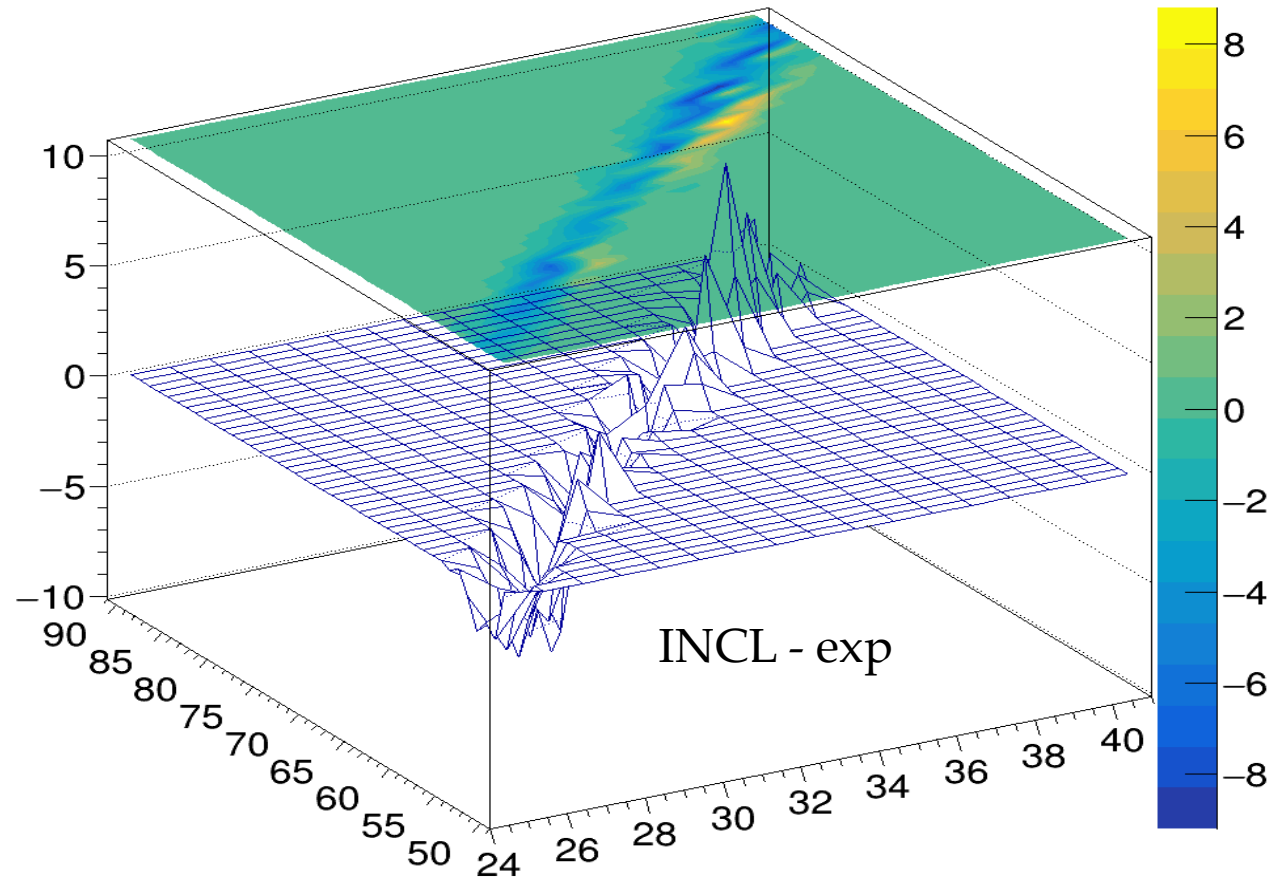
INCL, T=Mo92



pbar at rest	
Entries	829944
Mean x	34.66
Mean y	75
Std Dev x	4.053
Std Dev y	9.256

Mo92

diff, T=Mo92



Conclusion

- Lack of nucleon production(esp. neutrons)
- This lack increases towards lighter targets

