

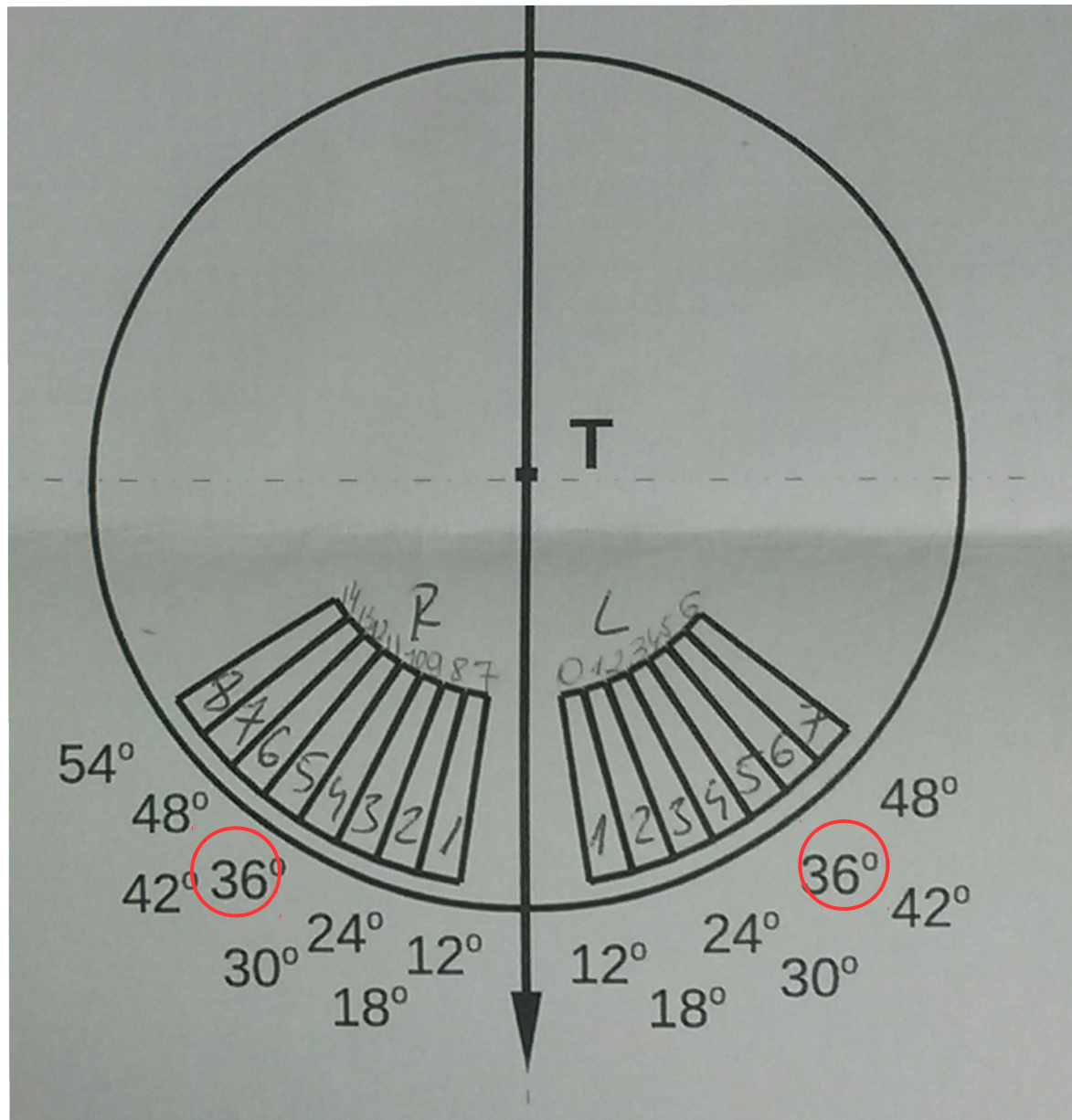


p-C @ 230 MeV

Izabela Ciepal

09. 08. 2017

Detection system geometry:





- **Energy calibration was performed for protons**

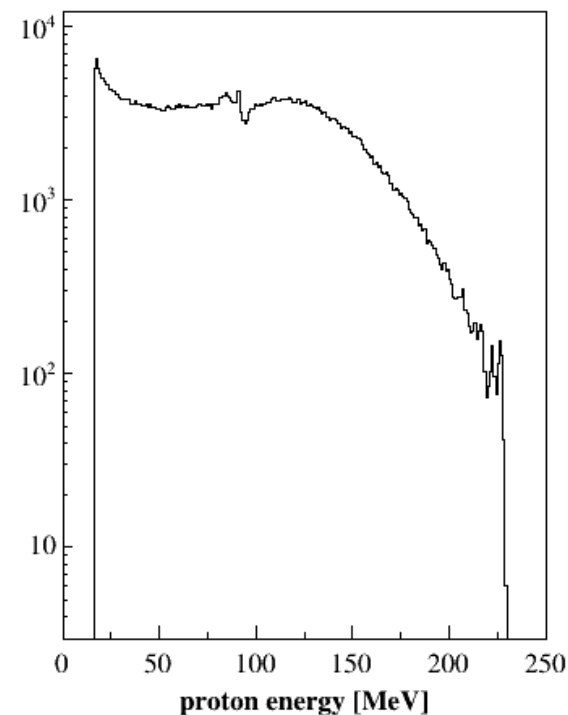
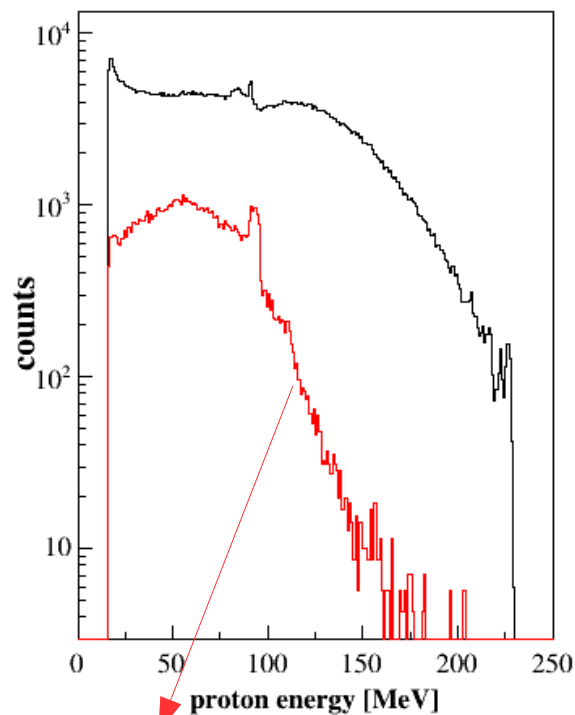
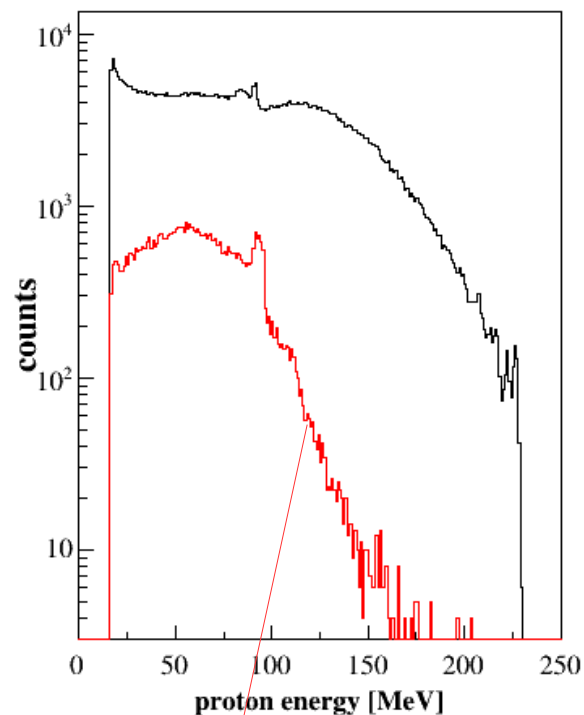
- **Number of files analyzed:**

- with **^{12}C** target : **105** (#7062-7167) – about 427 minutes of measurement
- with **no** target @ **0.2**: **21** (#7334-7349, 7389-7396)
– about 300 minutes of measurement (signal/bkg=427/300~**1.42**)
- with **no** target @ **2 nA**: **6** (#7043-7048) – about 40 minutes of measurement

36 deg (Left) - mod 4

$$\frac{\text{signal}}{\text{background}} \sim 11.2$$

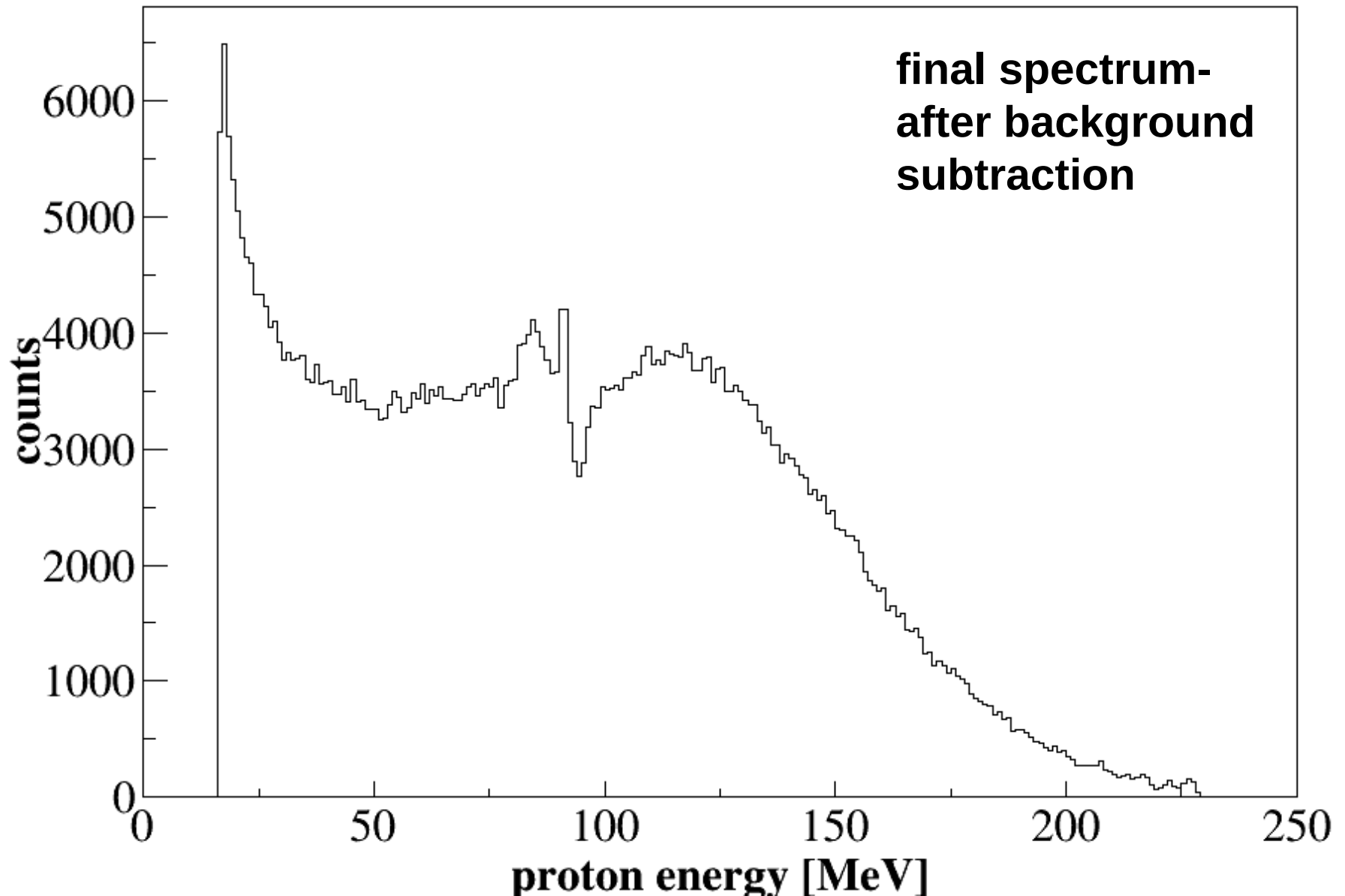
after background
subtraction



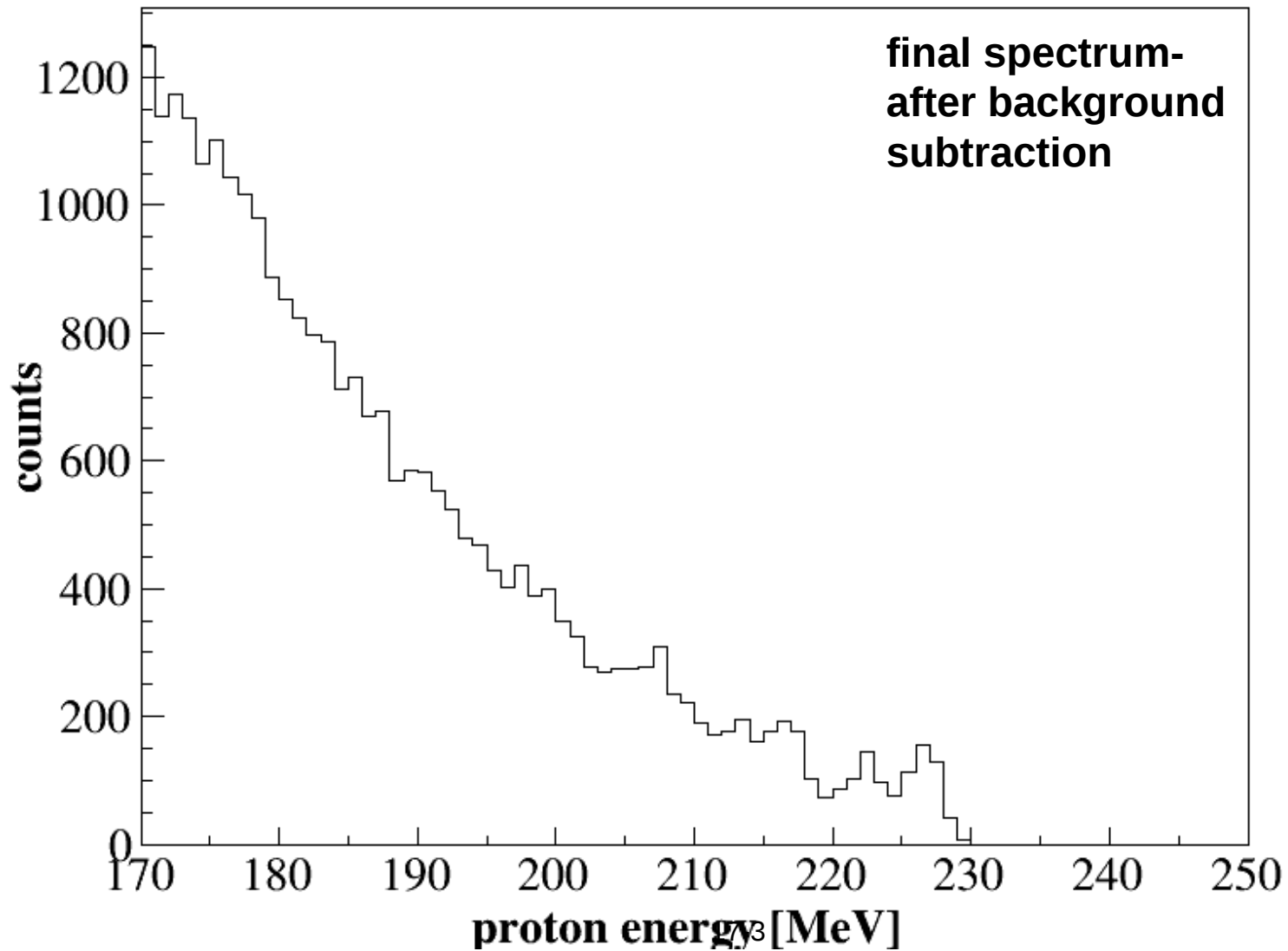
background - no target

background scaled
to measurement time: x1.42

36 deg (Left) - mod 4



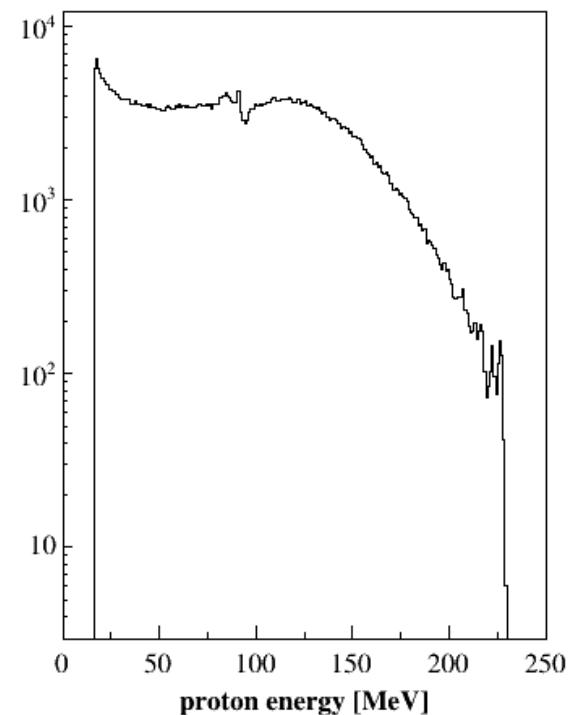
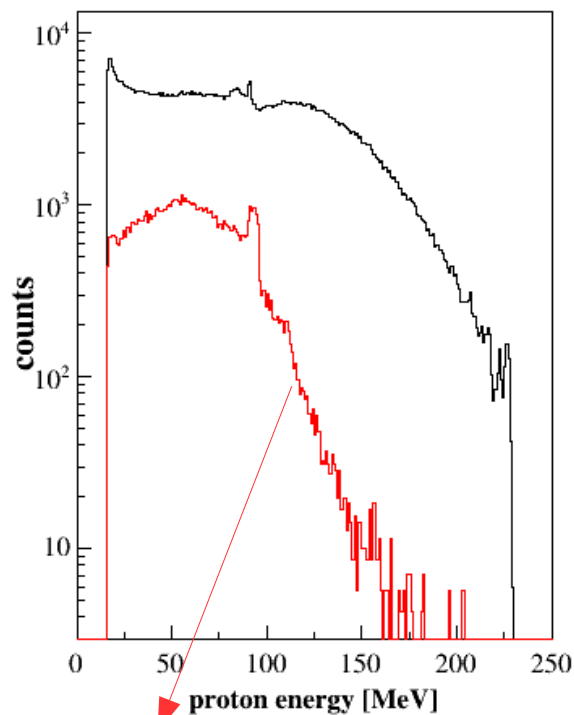
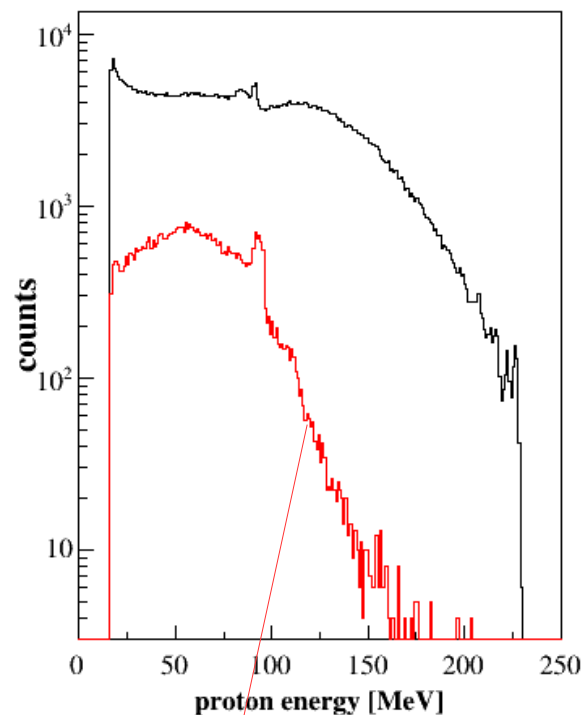
36 deg (Left) - mod 4



36 deg (Right) mod 11

$$\frac{\text{signal}}{\text{background}} \sim 8.4$$

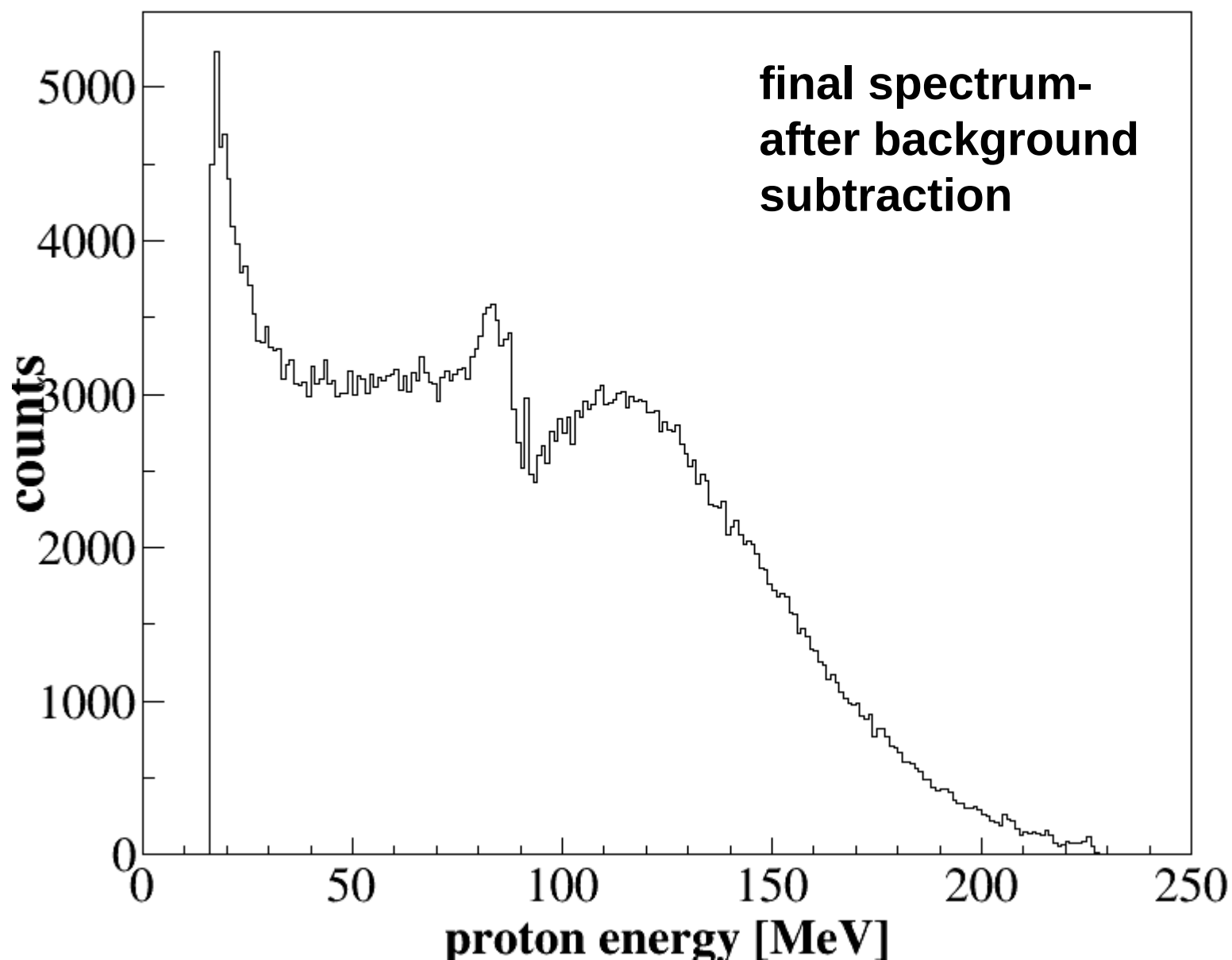
after background subtraction



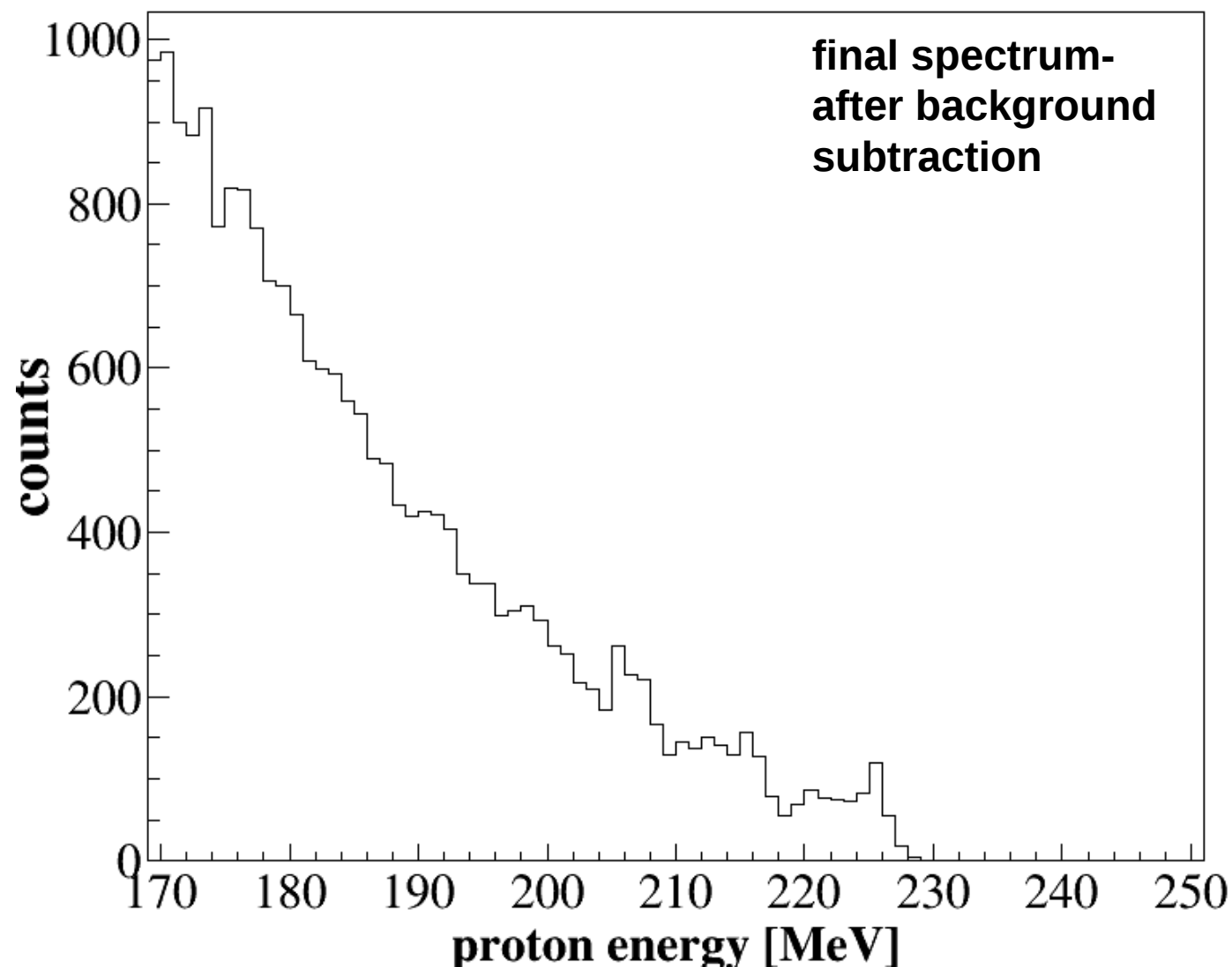
background - no target

background scaled
to measurement time: x1.42

36 deg (Right) mod 11



36 deg (Right) mod 11

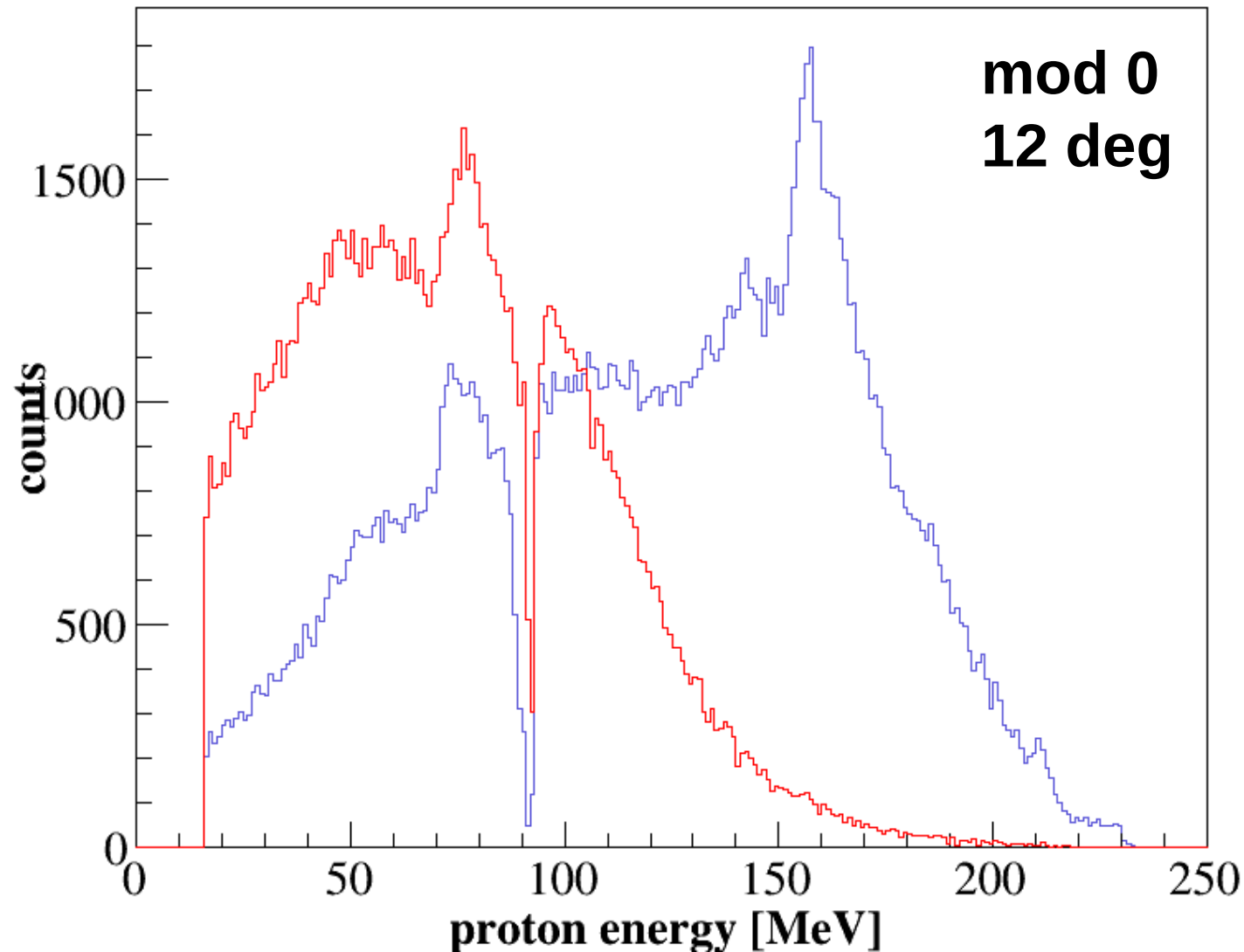


background @ 0.2 nA vs. background @ 2nA

(bkg: #7334-7345 ~40 minutes)

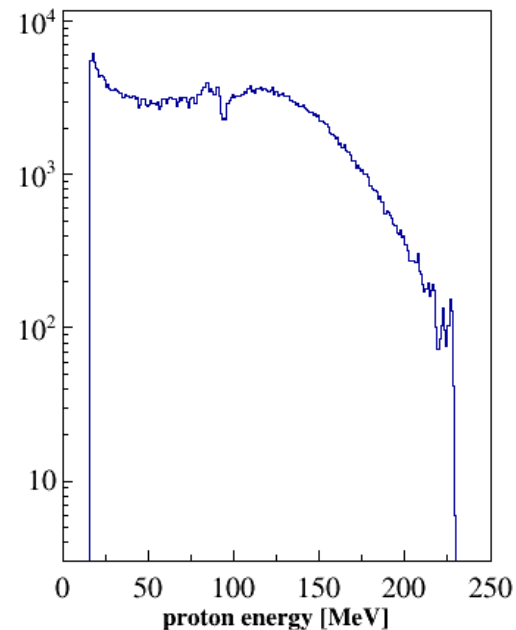
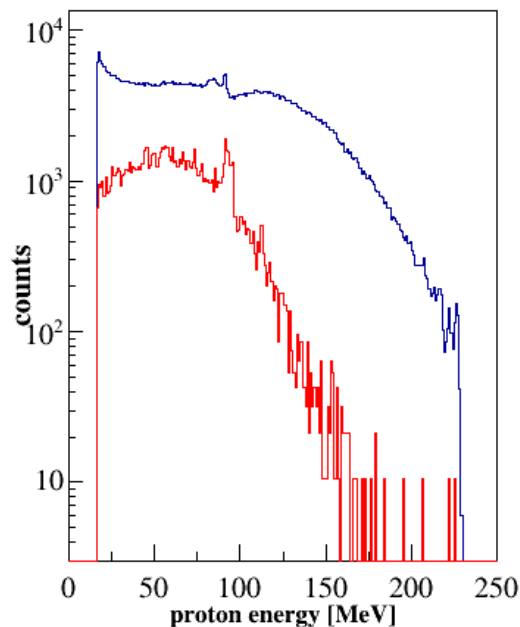
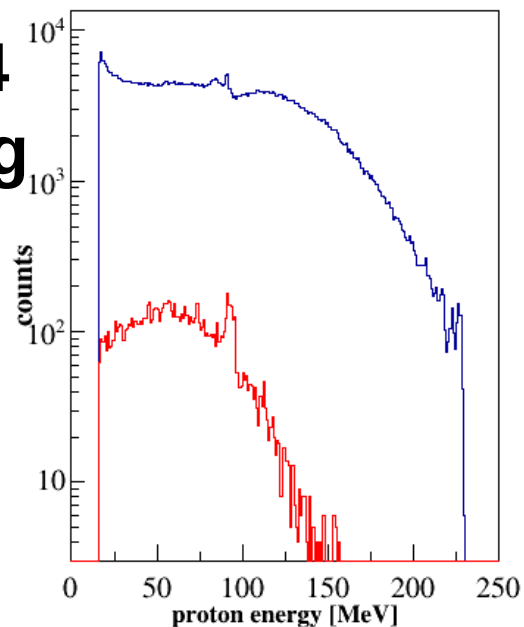
(bkg: #7043-7048 ~40 minutes)

en_prot_mod0

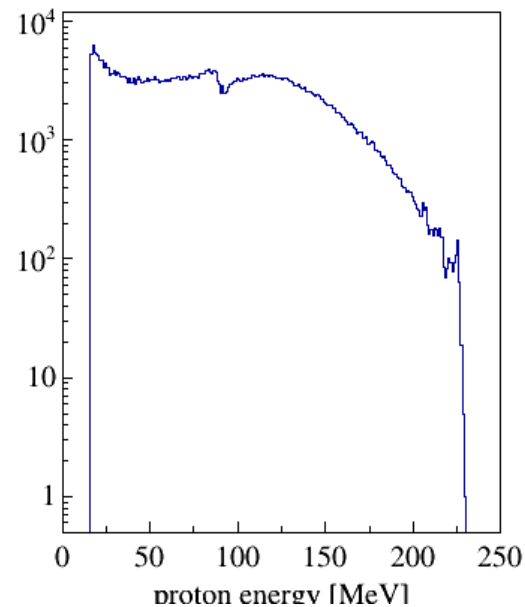
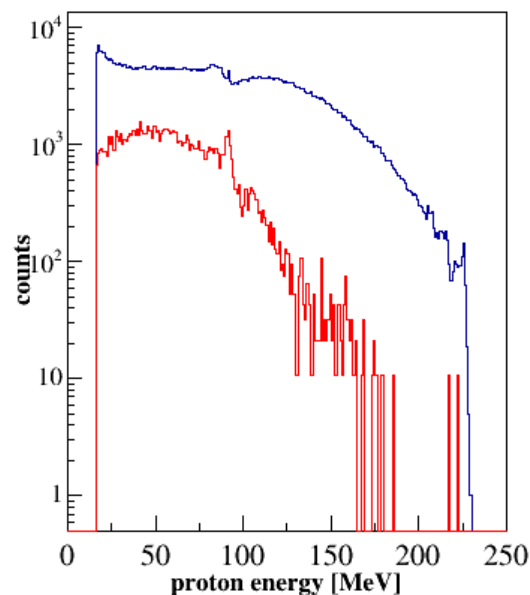
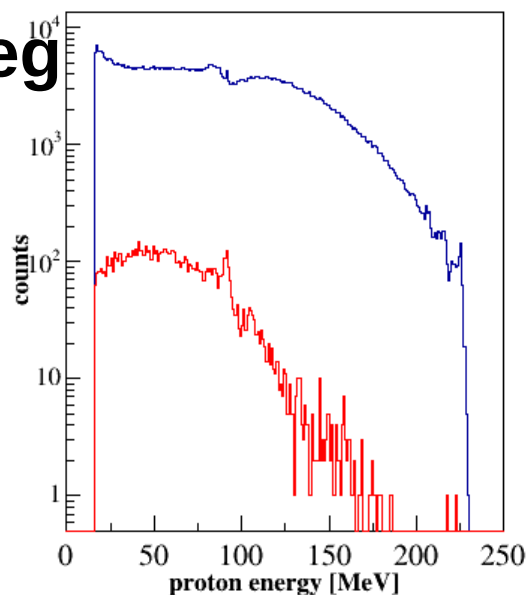


(bkg: #7043-7048 ~40 minutes)

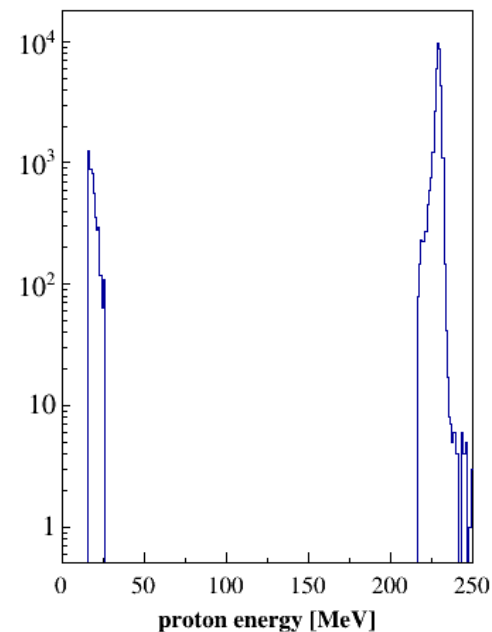
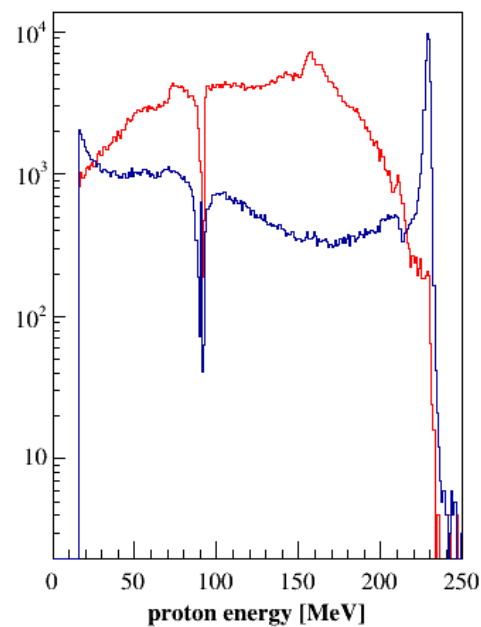
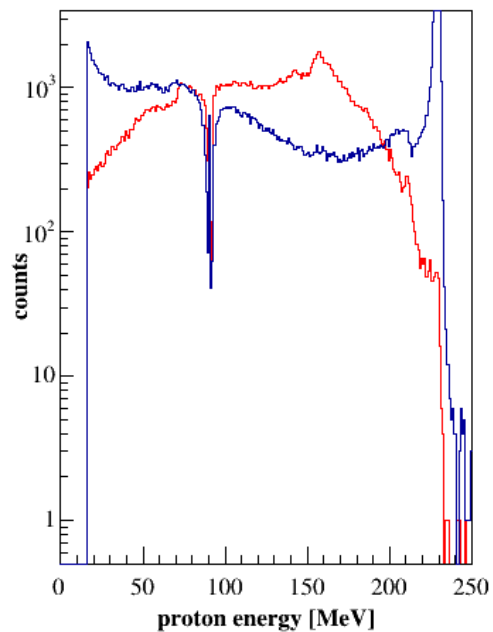
Mod 4
36 deg



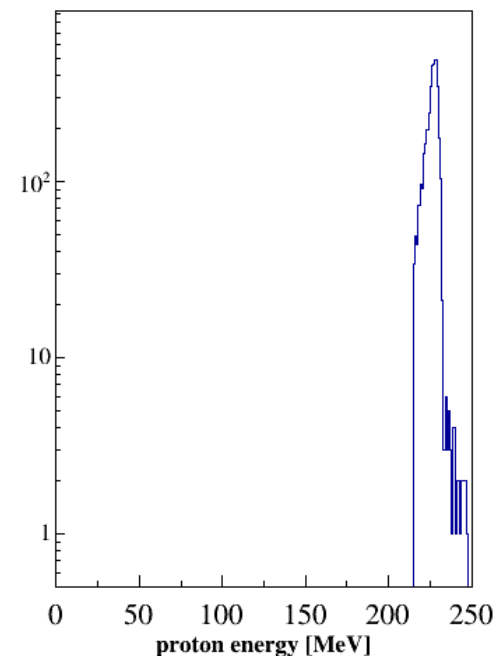
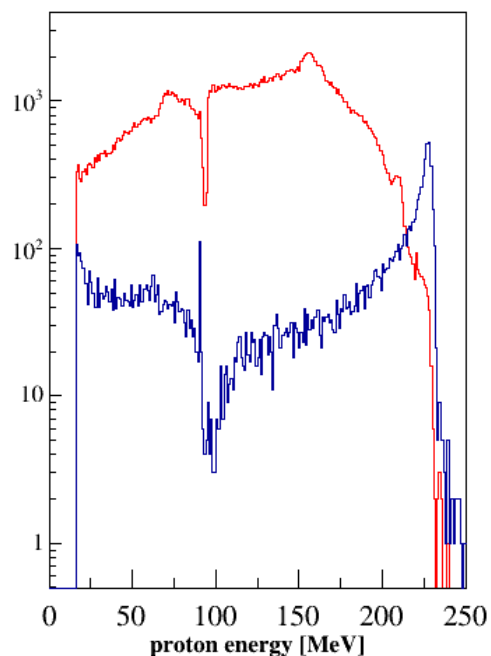
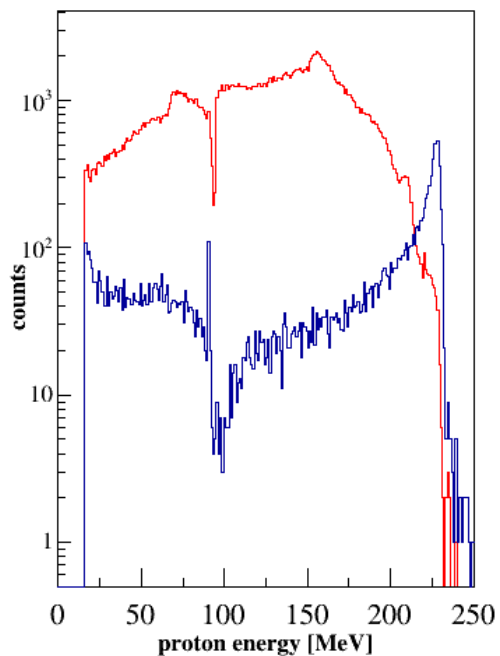
Mod 11
36 deg



**Mod 0
12 deg**

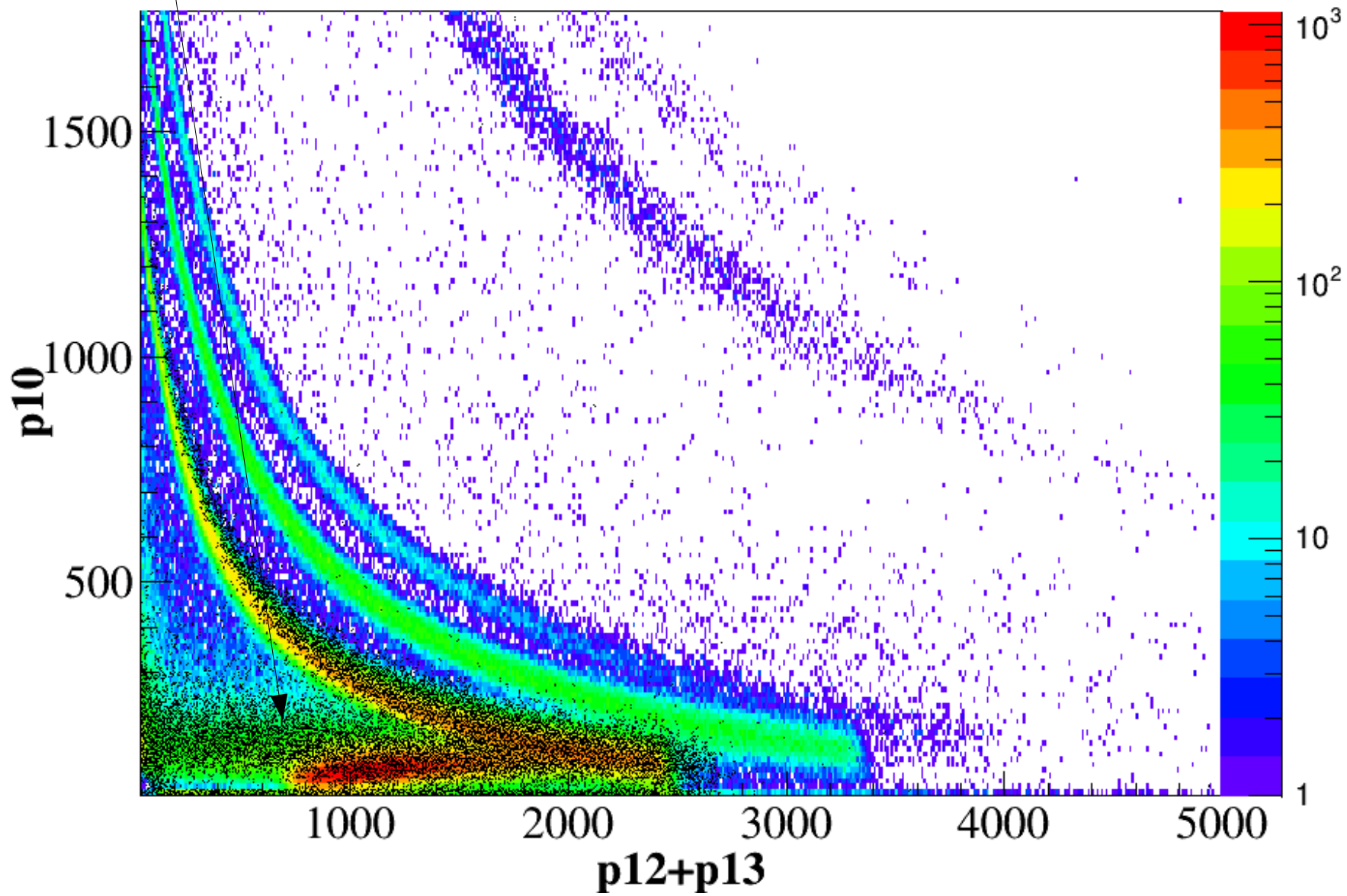


**Mod 7
12 deg**

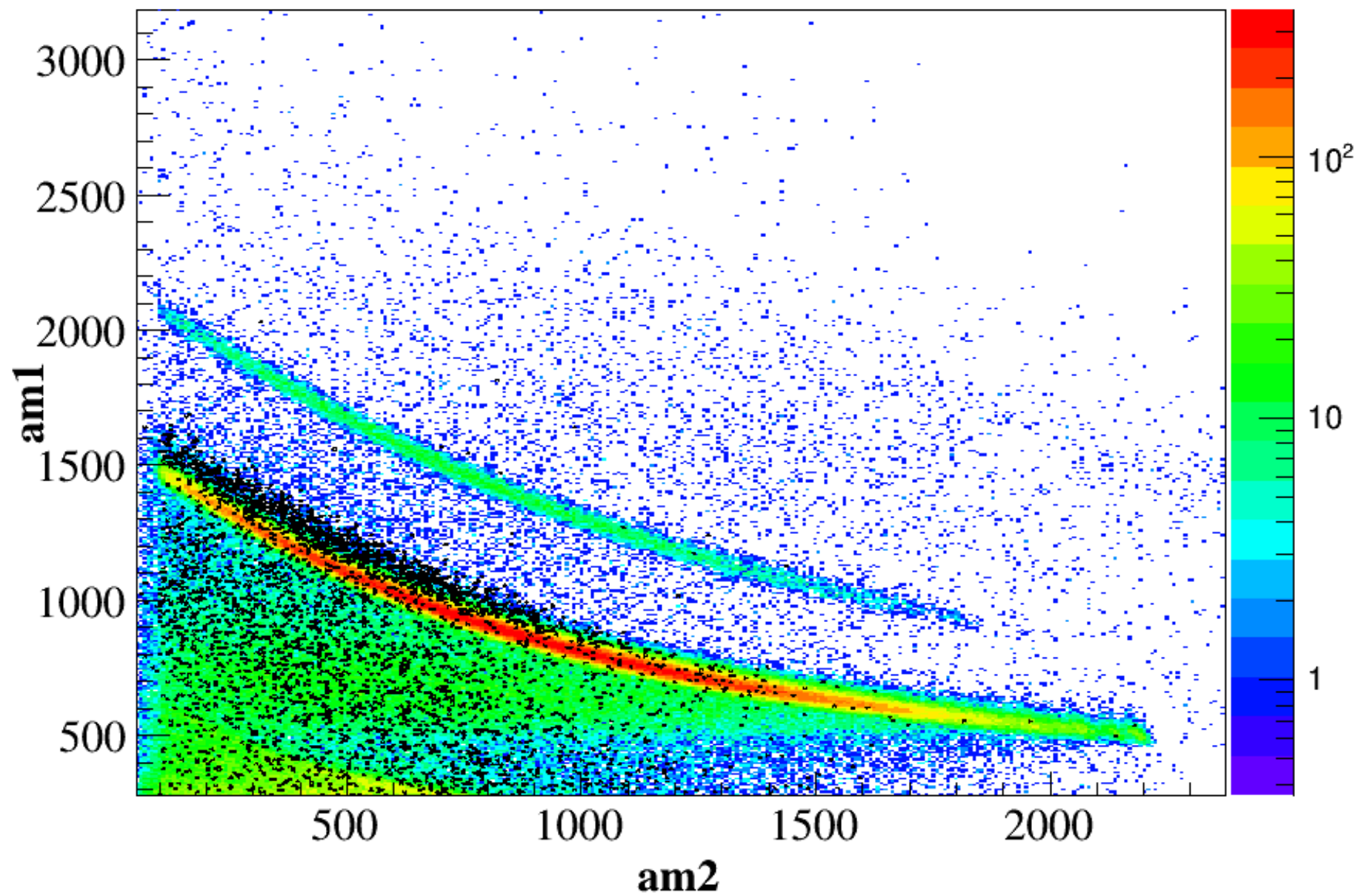


(bkg: #7043-7048 ~40 minutes)

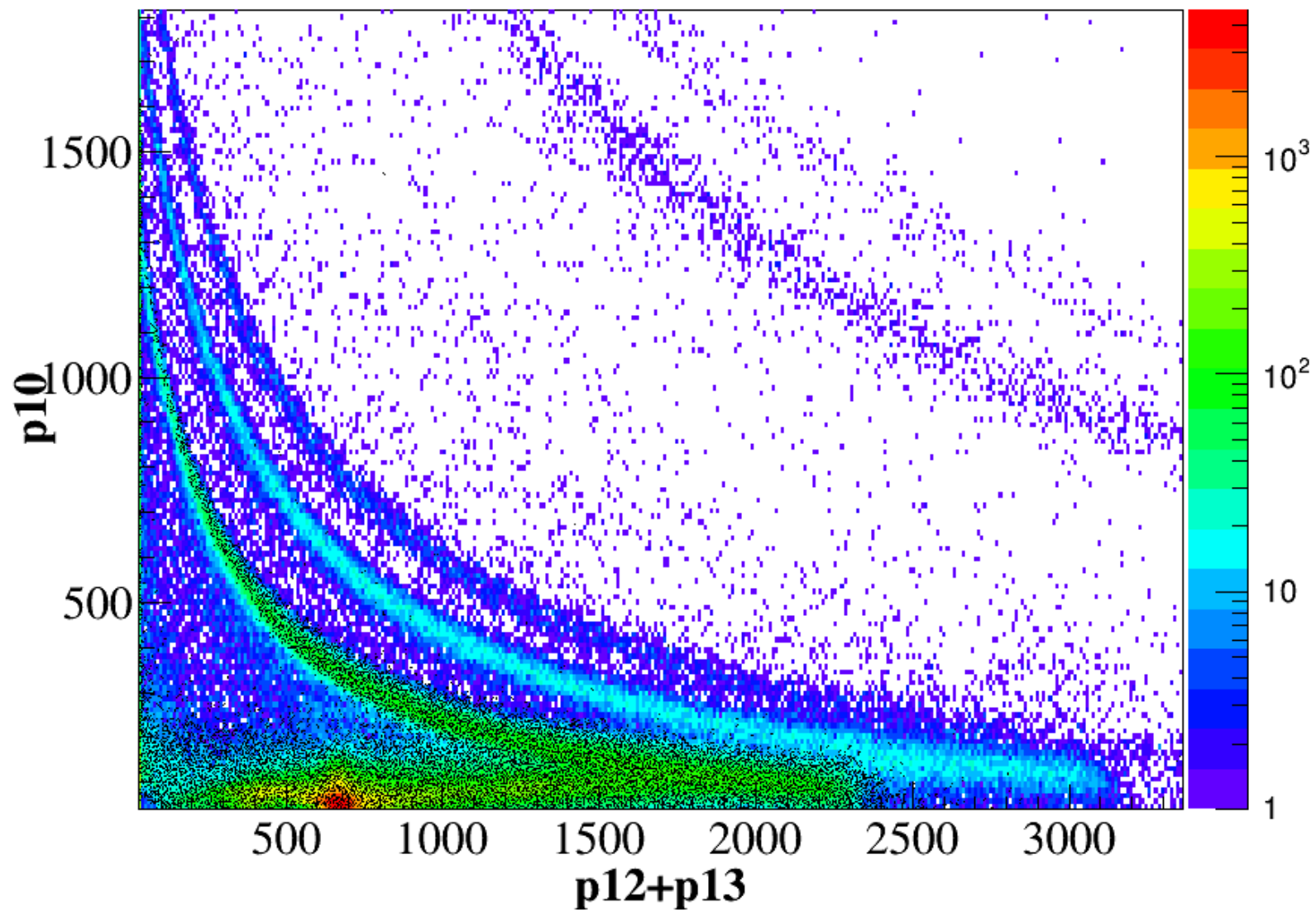
p10_vs_p12p13_mod4



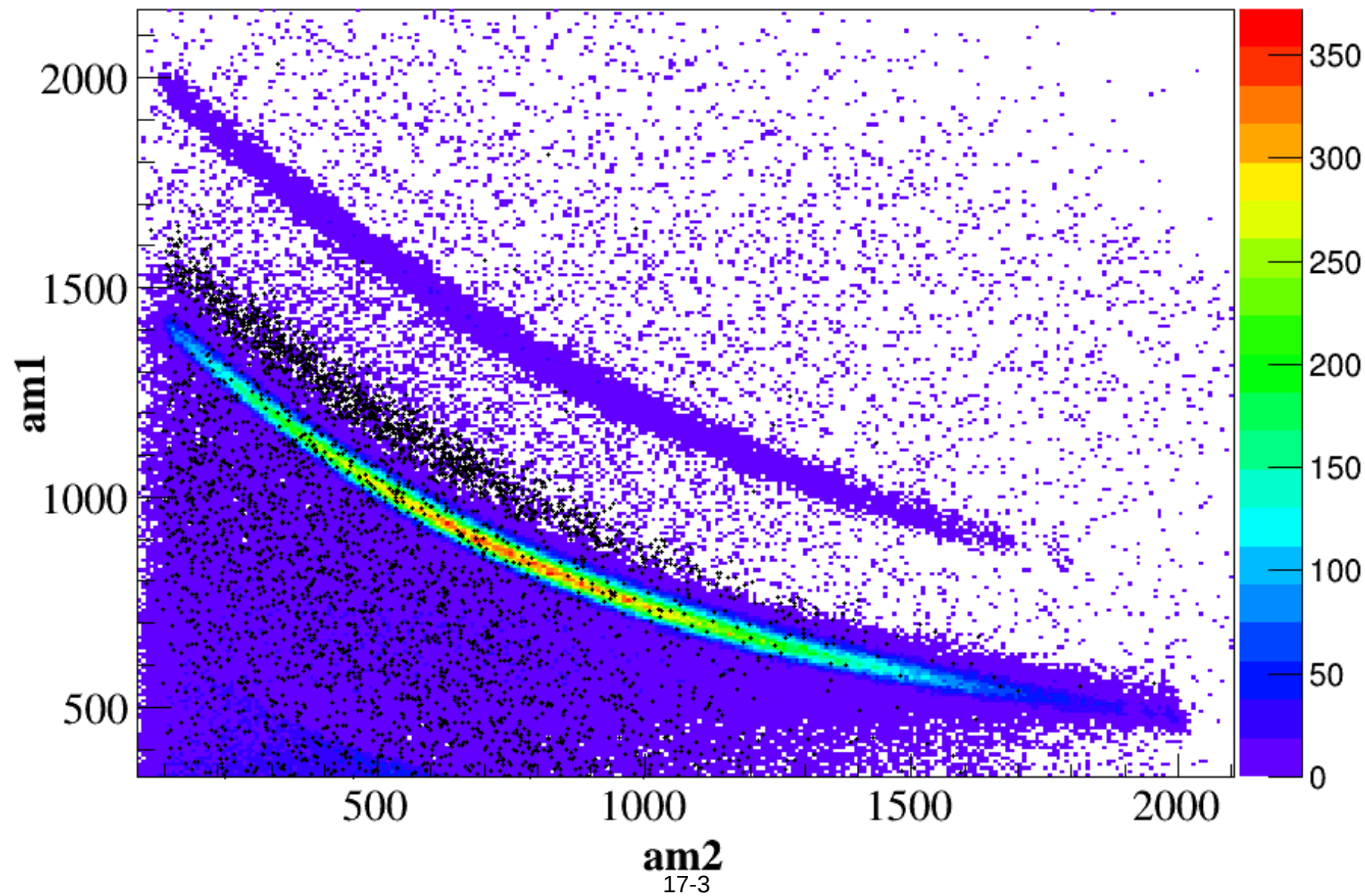
am1_vs_am2_mod4



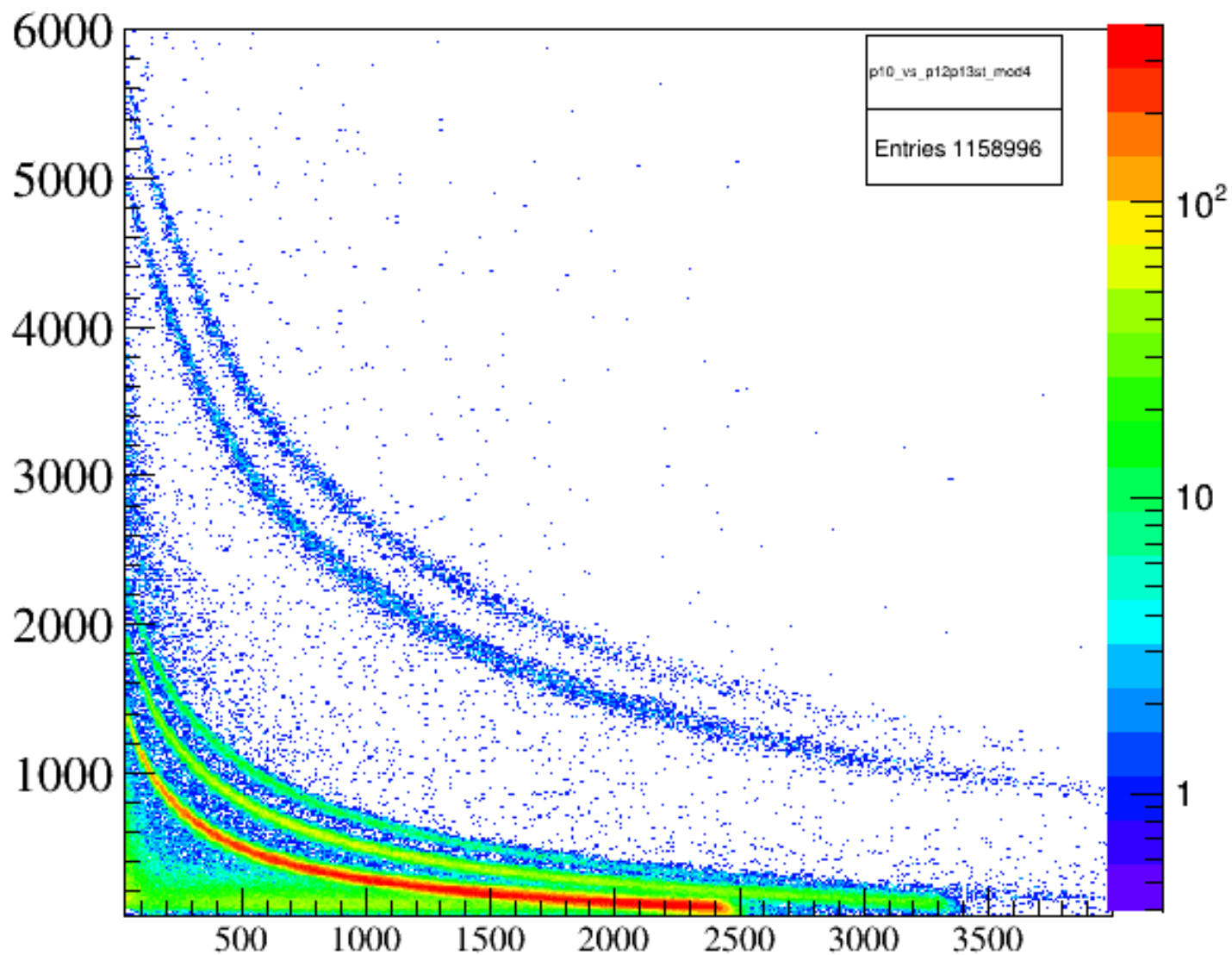
p10_vs_p12p13_mod0



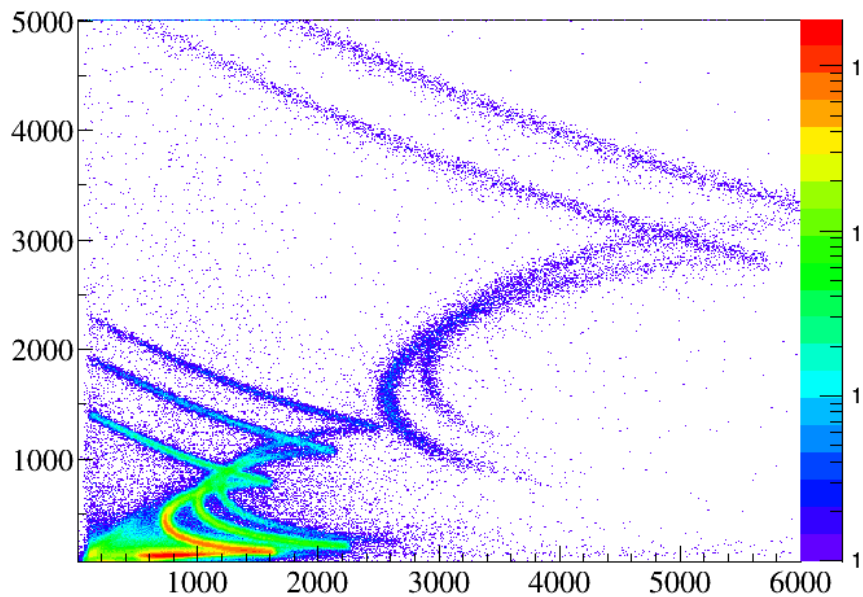
am1_vs_am2_mod11



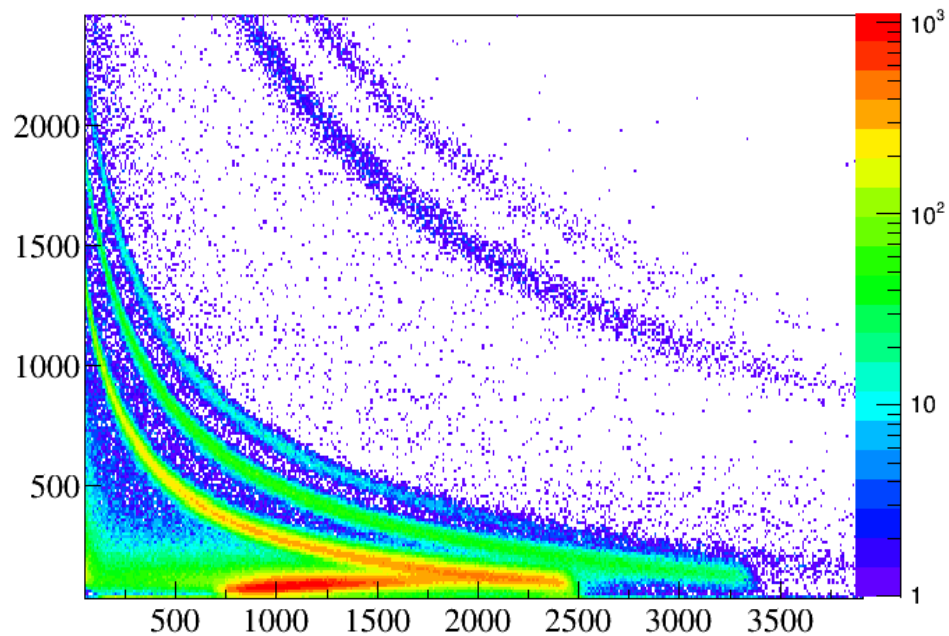
p10_vs_p12p13st_mod4



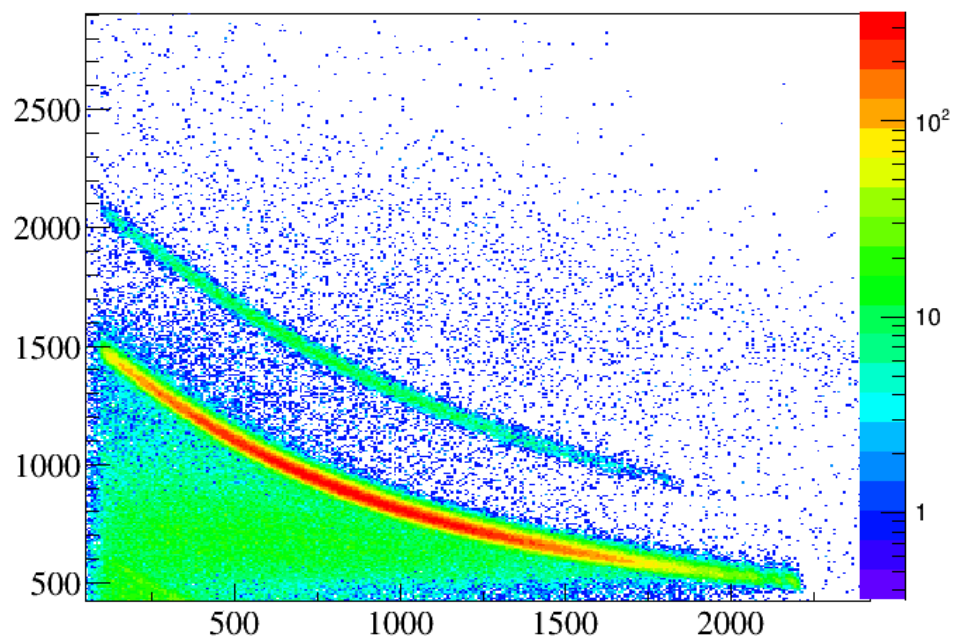
am0_vs_am1_mod4



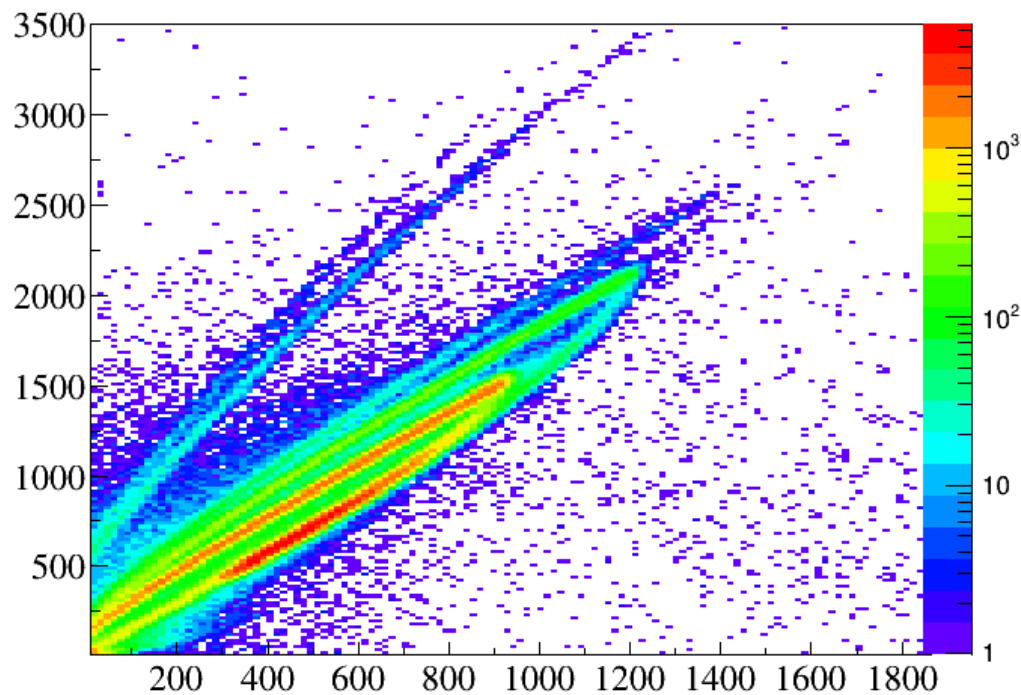
p10_vs_p12p13_mod4



am1_vs_am2_mod4



p12_vs_p13_mod4



p22_vs_p23_mod4

