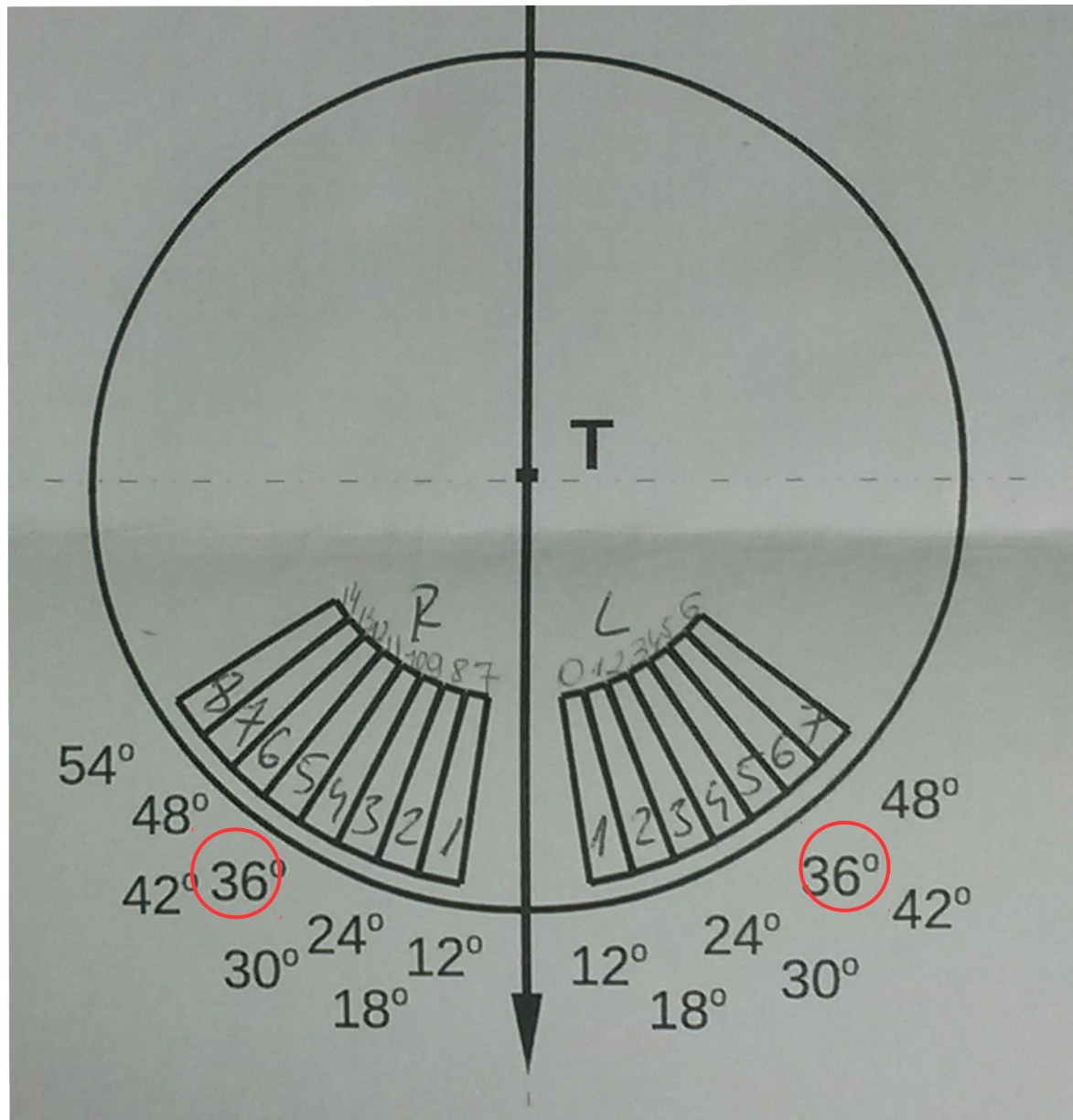


p-12C @ 230 MeV

Izabela Ciepal

07. 08. 2017

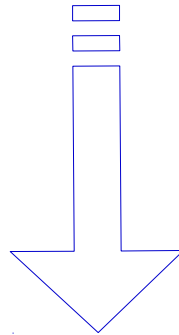
Detection system geometry:



- **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: **21** (#7334-7349, 7389-7396)
– about 300 minutes of measurement

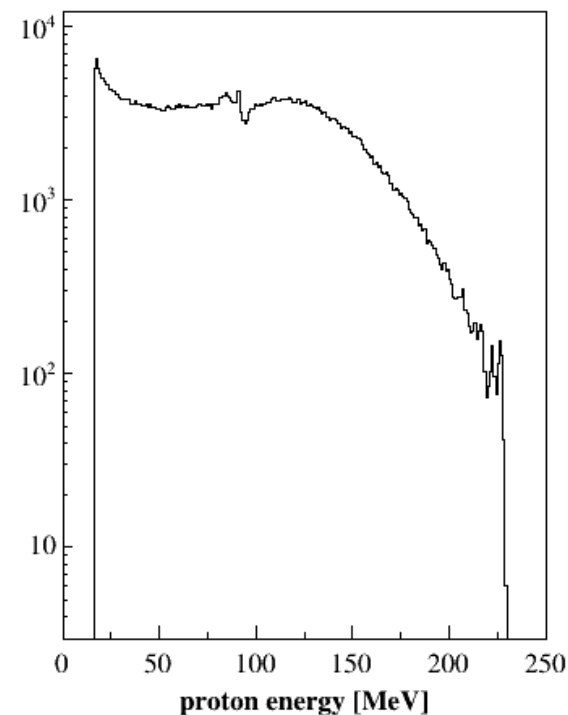
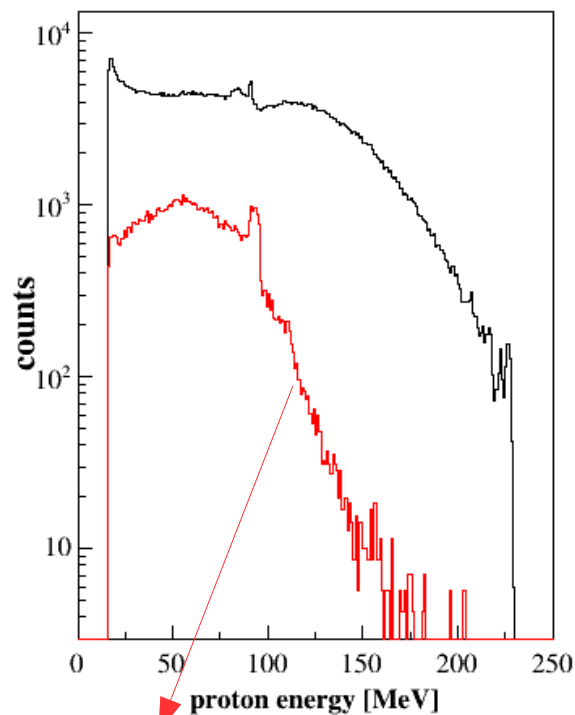
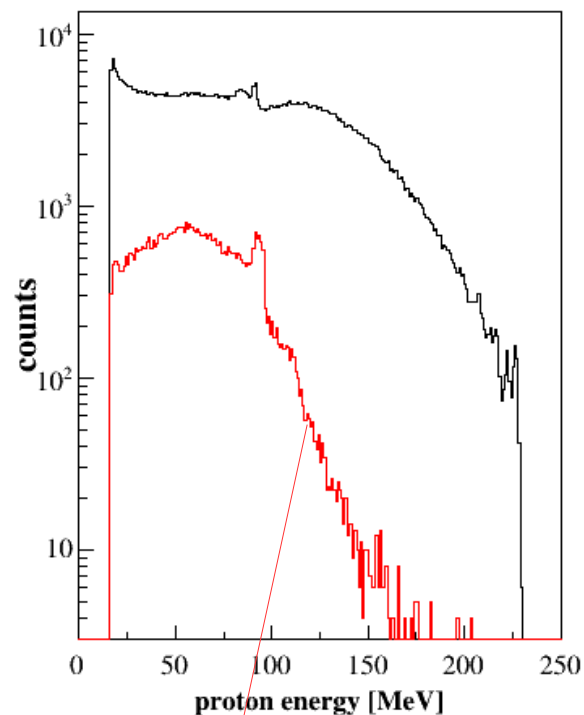


**scaling factor for background
component: $427/300 \sim 1.42$**

36 deg - Left

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

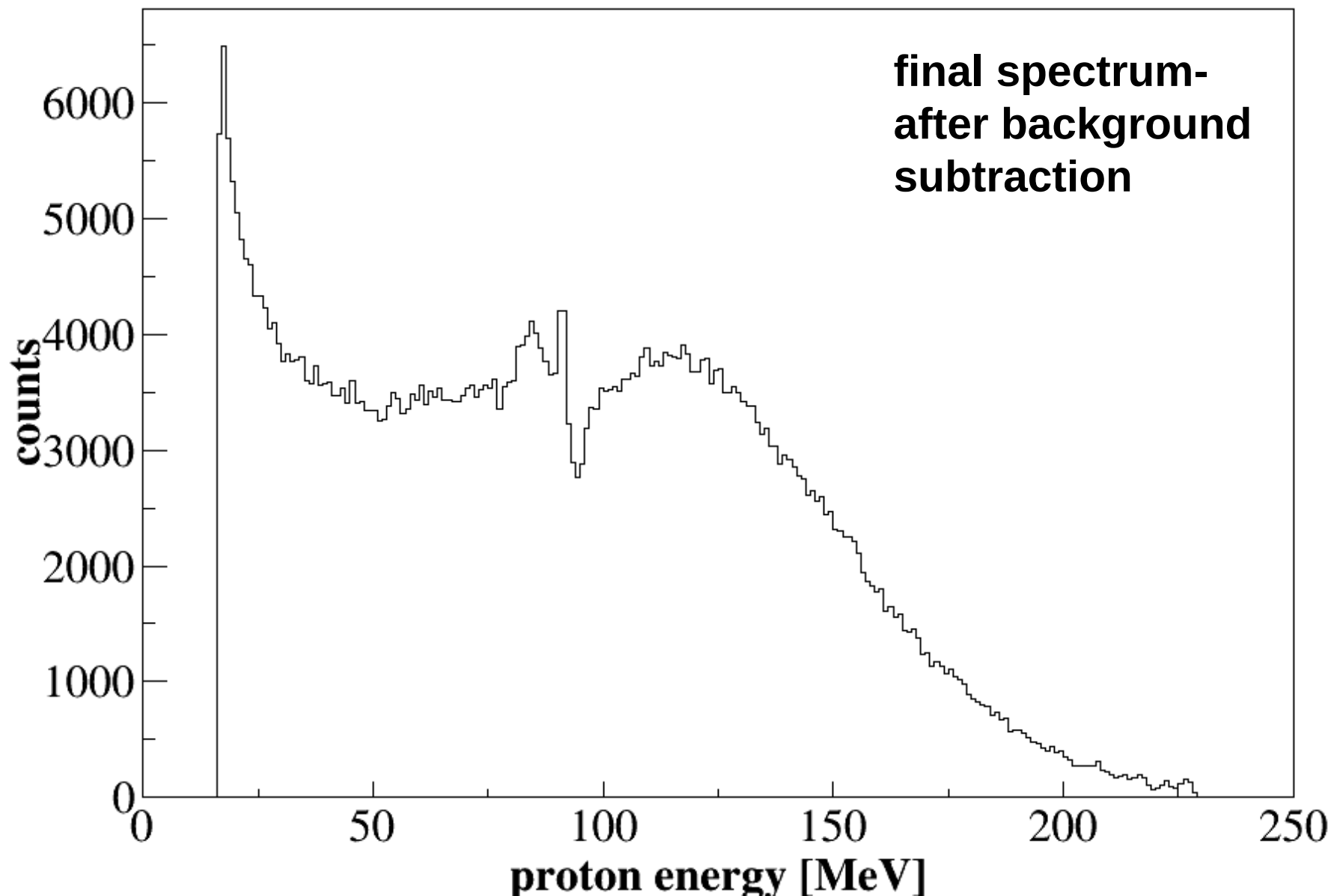
after background subtraction



background - no target

background scaled
to measurement time: x1.42

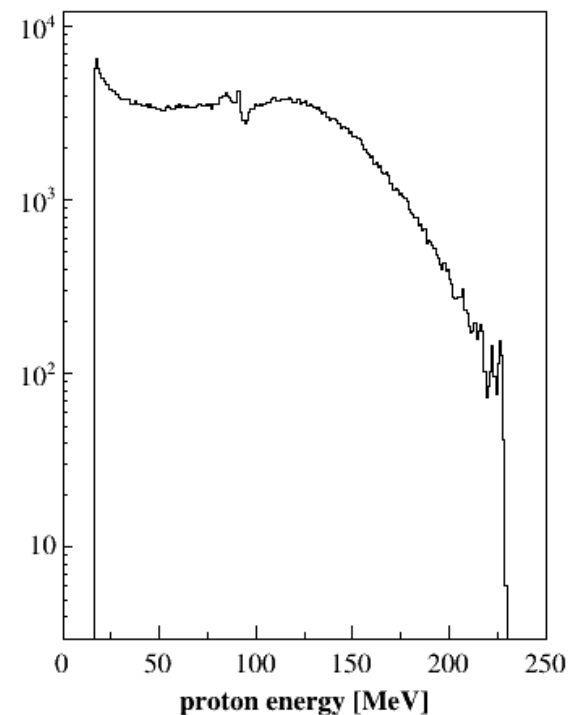
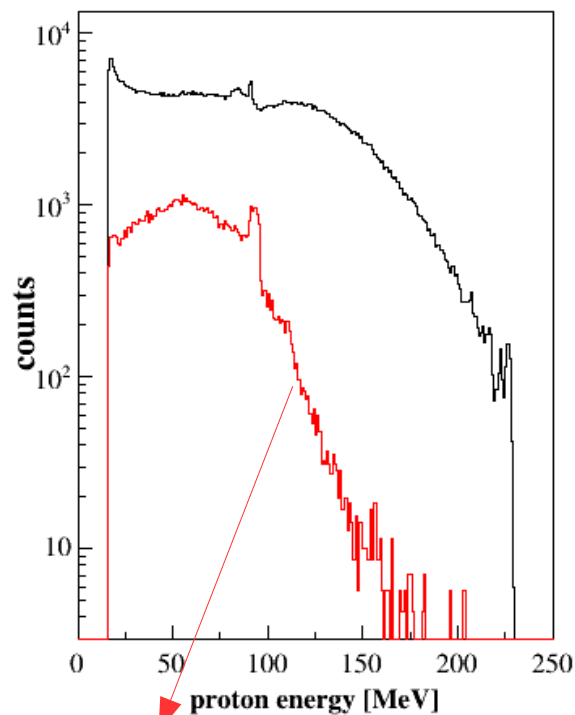
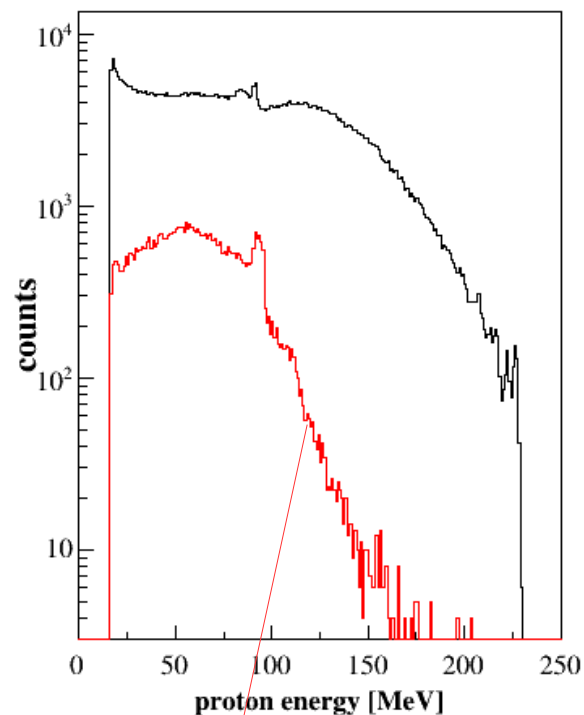
36 deg - Left



36 deg - Right

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

after background
subtraction



background - no target

background scaled
to measurement time: x1.42

36 deg - Right

