



Forward Tracking System Occupancy Studies

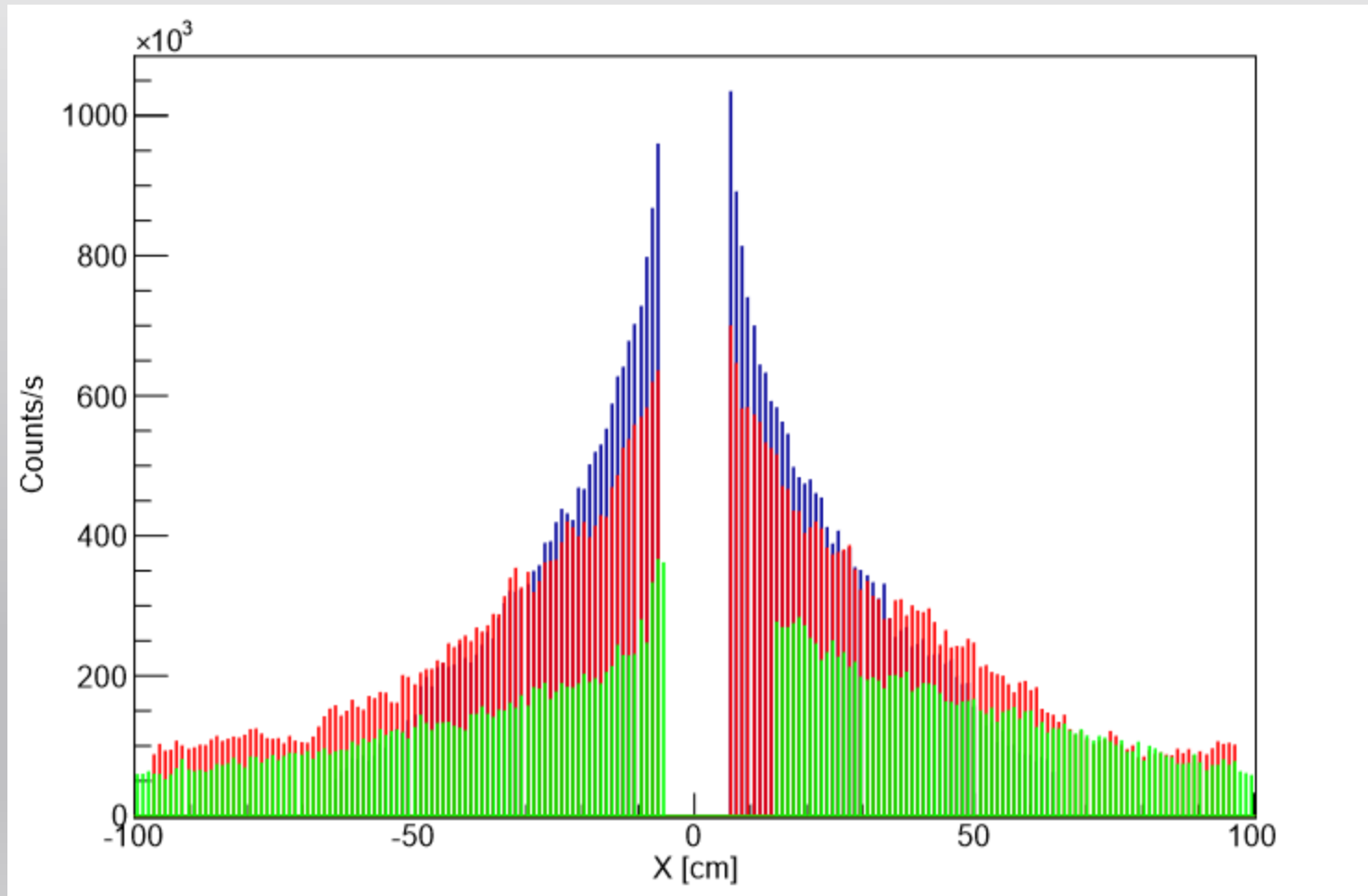
Jacek Biernat Jagiellonian Uni



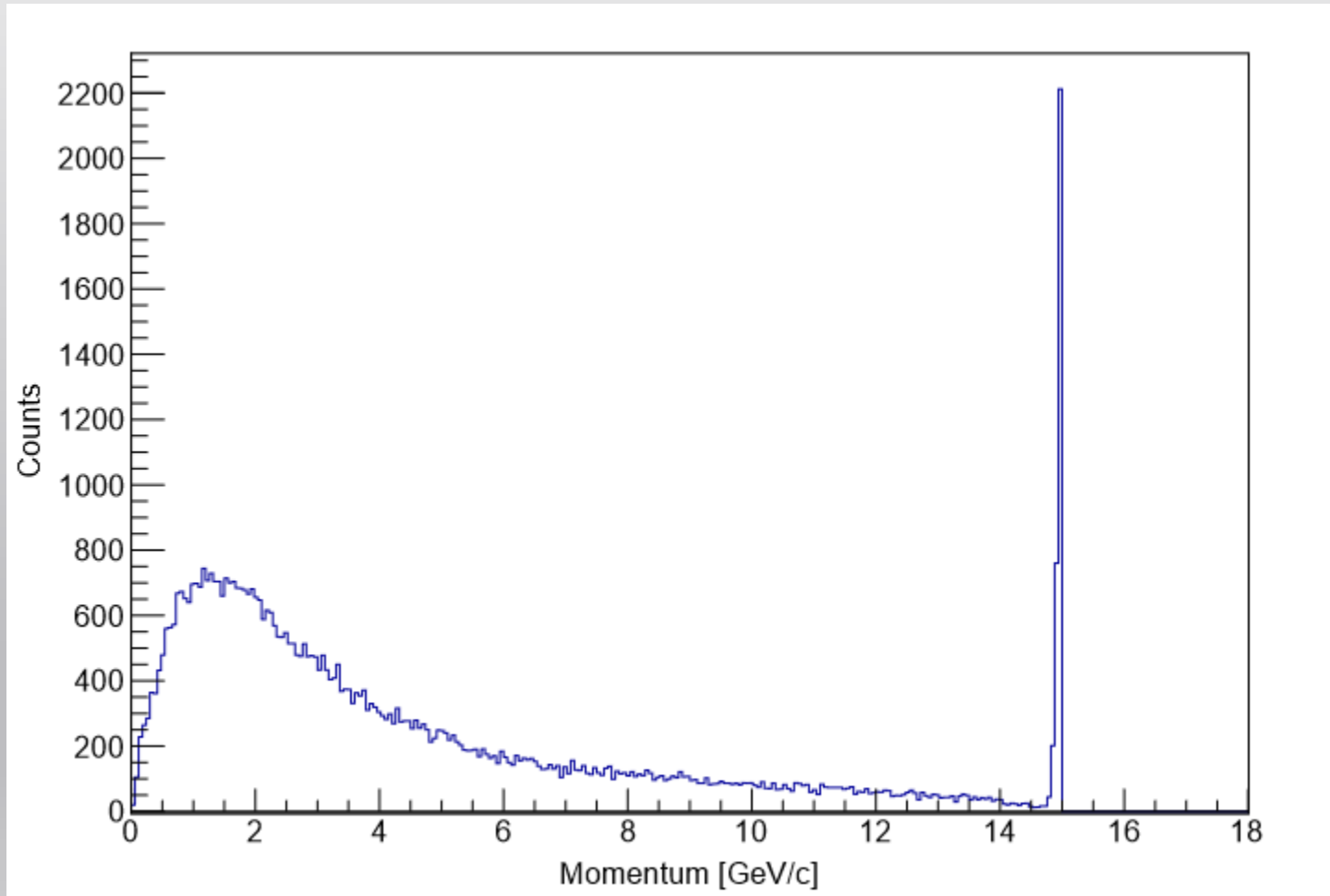
Menu:

- Beam momentum : 15 GeV/c
- Nitrogen target
- Interaction rate: 10^7 /s
- New beam pipe design
- Done for FT1,FT3,FT5
- A cut on 30 eV was applied

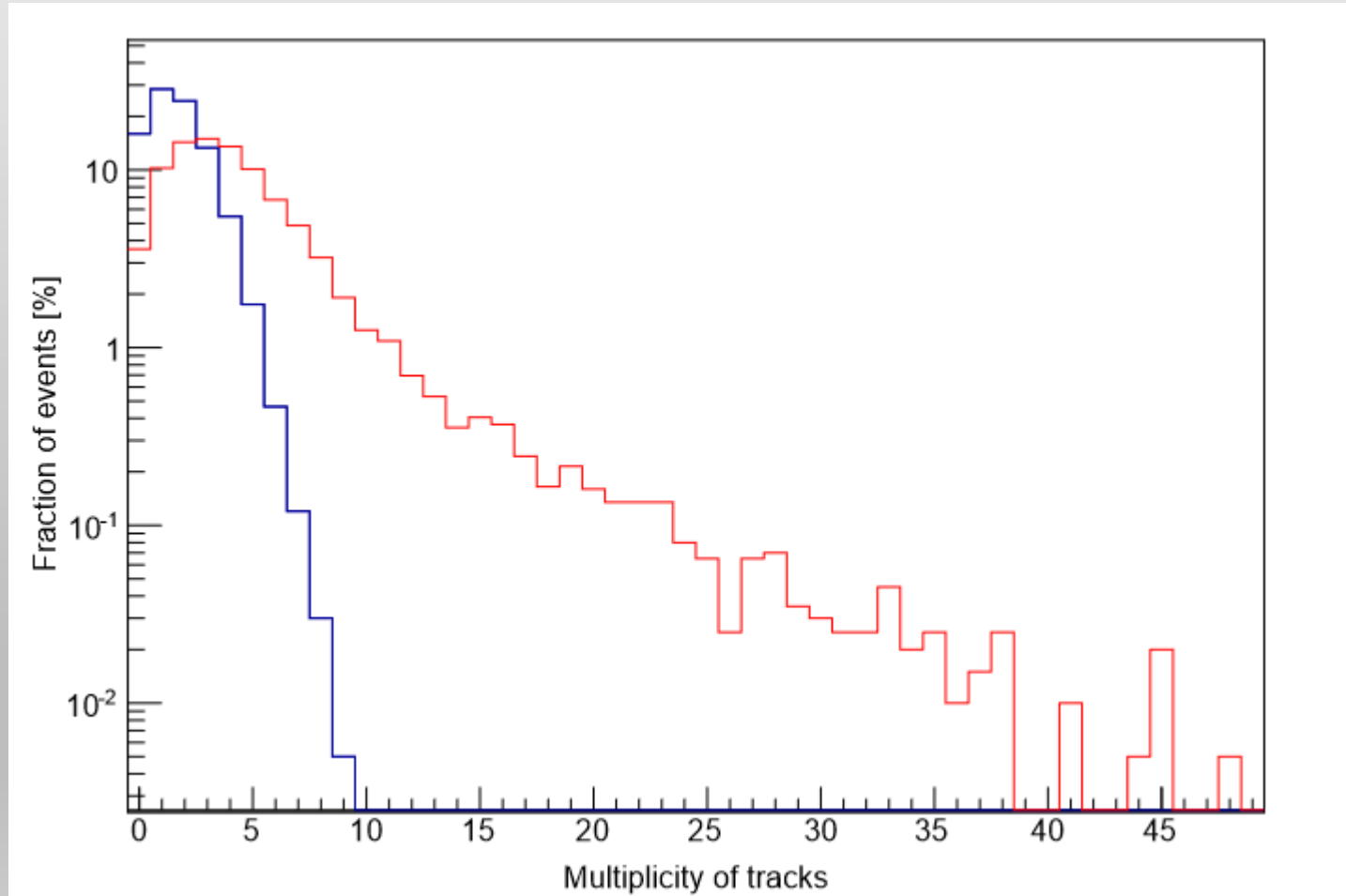
Counts/s for different FT`s



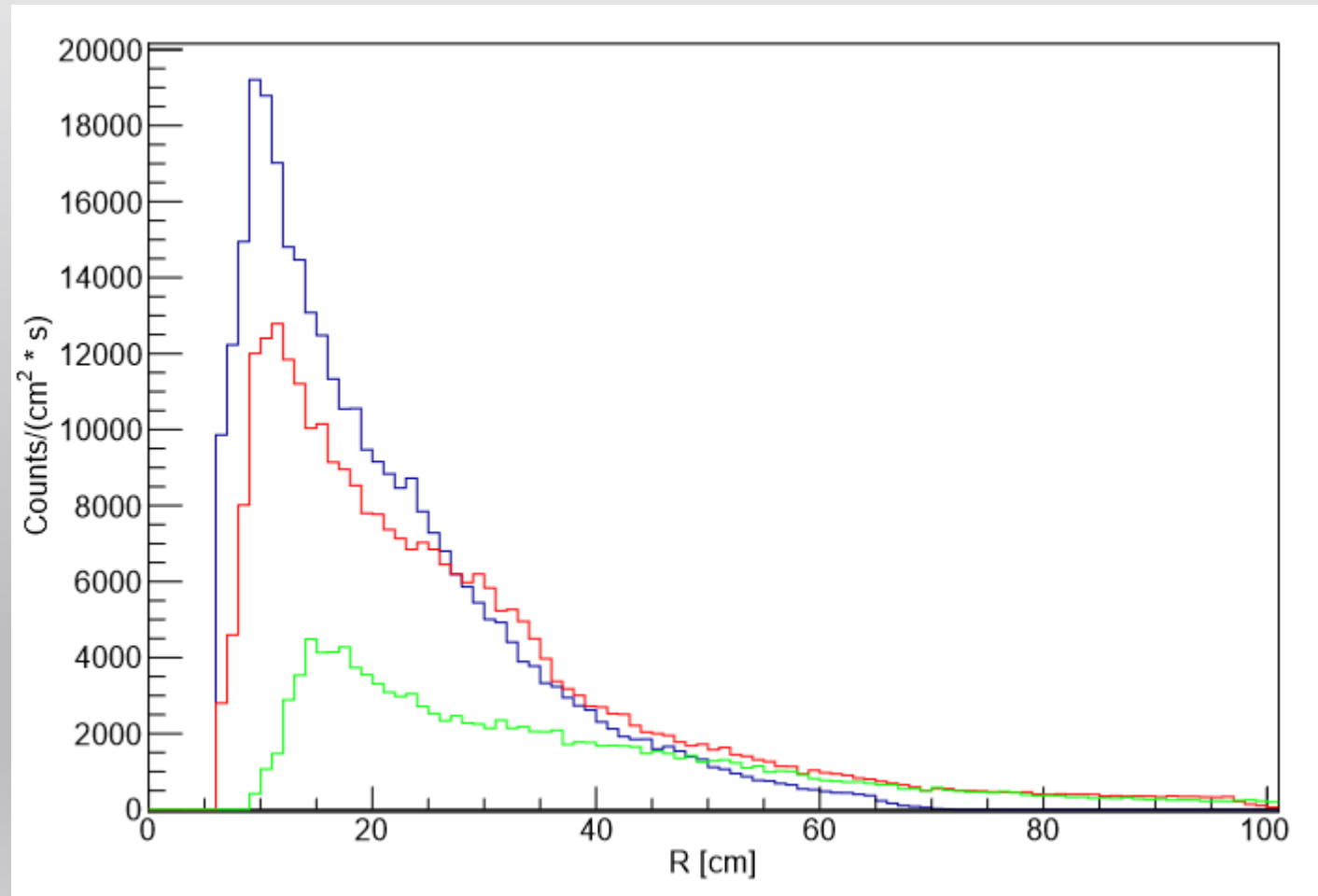
Momentum spectrum of ejectiles

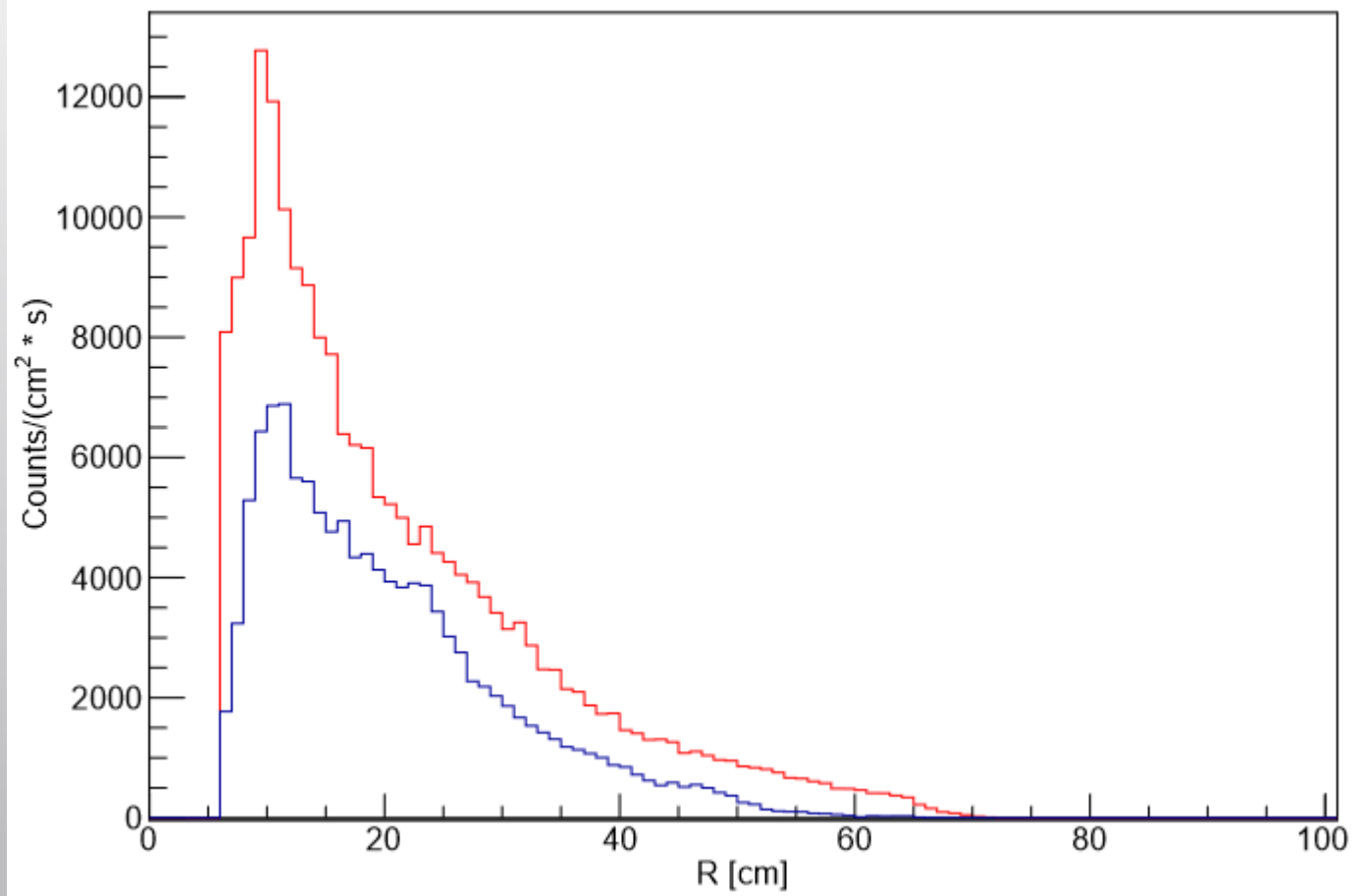


MC Track Multiplicity primary/secondary in FT1



Counts / (s * cm²) also done for primary & secondary particles





Thank you

- Low momentum particles expected in the FT`s
- A lot of background coming form the beam pipe