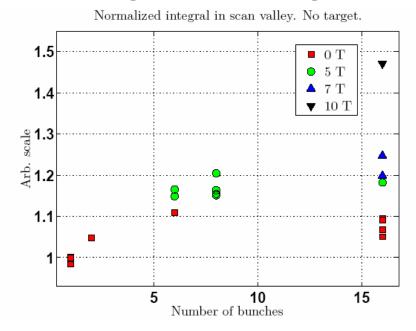
Secondary Particle Data Observations

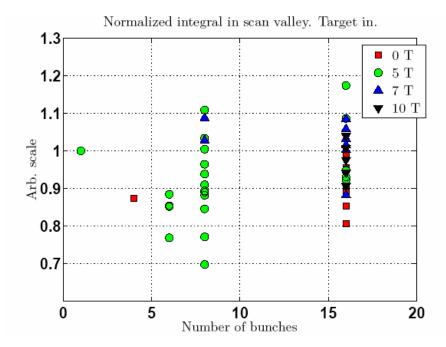
Marcus Palm CERN 11 Dec. 2007

Signal integral vs. number of bunches





- Signal/proton vs.
 number of bunches
 (normalized to a 1-bunch run)
- All runs in "scan valley":
 - Hor pos: [-18, -11]
 - Vert pos: [-8, 0]
- No probe
- 14 GeV/c

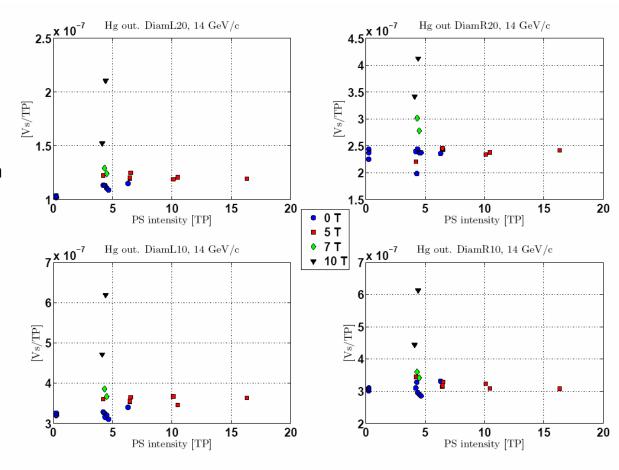


- Target out: More signal/proton with increasing number of bunches
- Not observed with target in
- (Same conclusions for 24 GeV/c...)

Linearity, target out, 14 GeV/c

Plots:

- Signal/proton vs. beam intensity
- All runs in "scan valley":
 - Hor pos: [-18, -11]
 - Vert pos: [-8, 0]
- No probe
- No major changes from low to high intensity

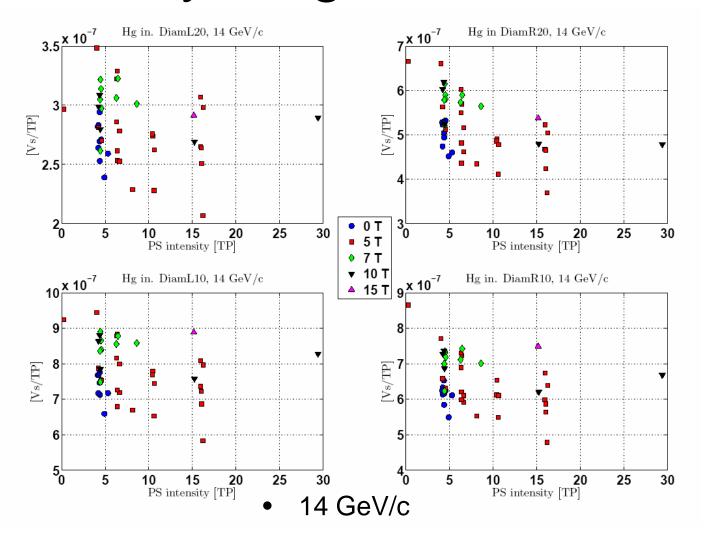


14 GeV/c

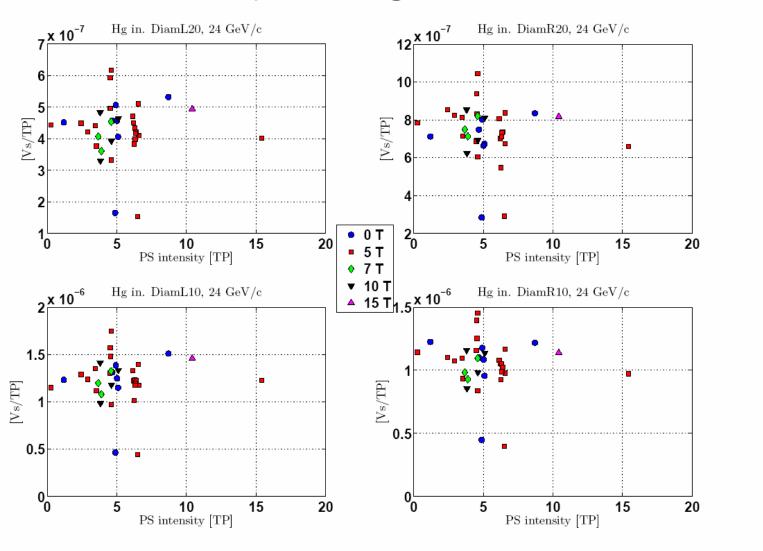
Linearity, target in

Plots:

- Integration of total signal vs. beam intensity
- All runs in "scan valley":
 - Hor pos: [-18, -11]
 - Vert pos: [-8, 0]
- No probe
- Decreasing trend

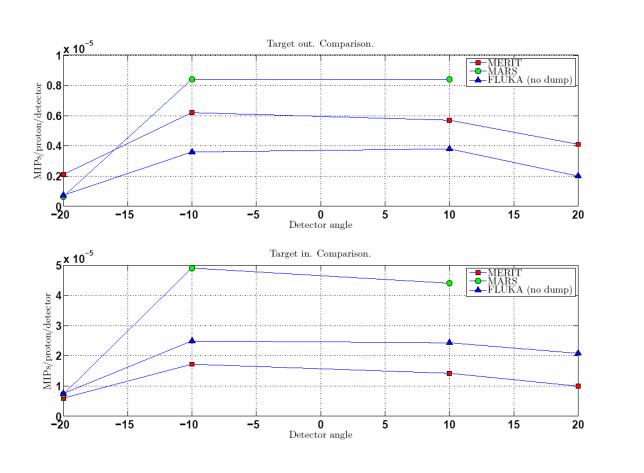


Linearity, target in

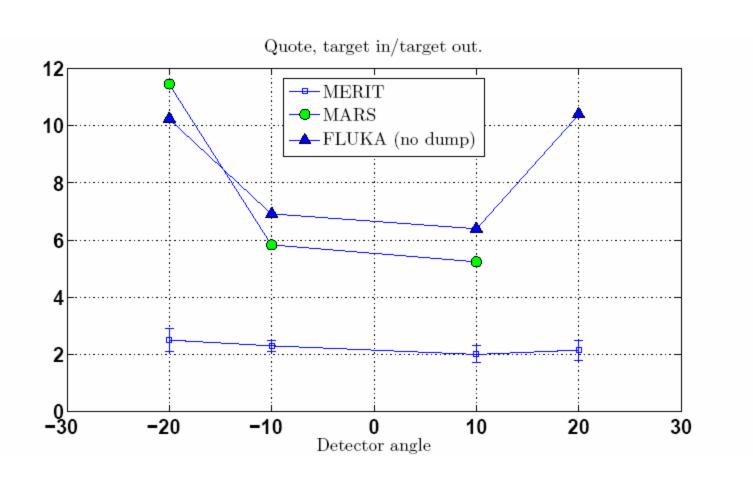


Signal/proton

- No dump in the FLUKA simulations
 - Very good agreement between MARS and FLUKA for the dumpinsensitive detector at -20 degrees.
 - MERIT results a bit puzzling...



Target in/target out ratio



Probe/Pump ratio

