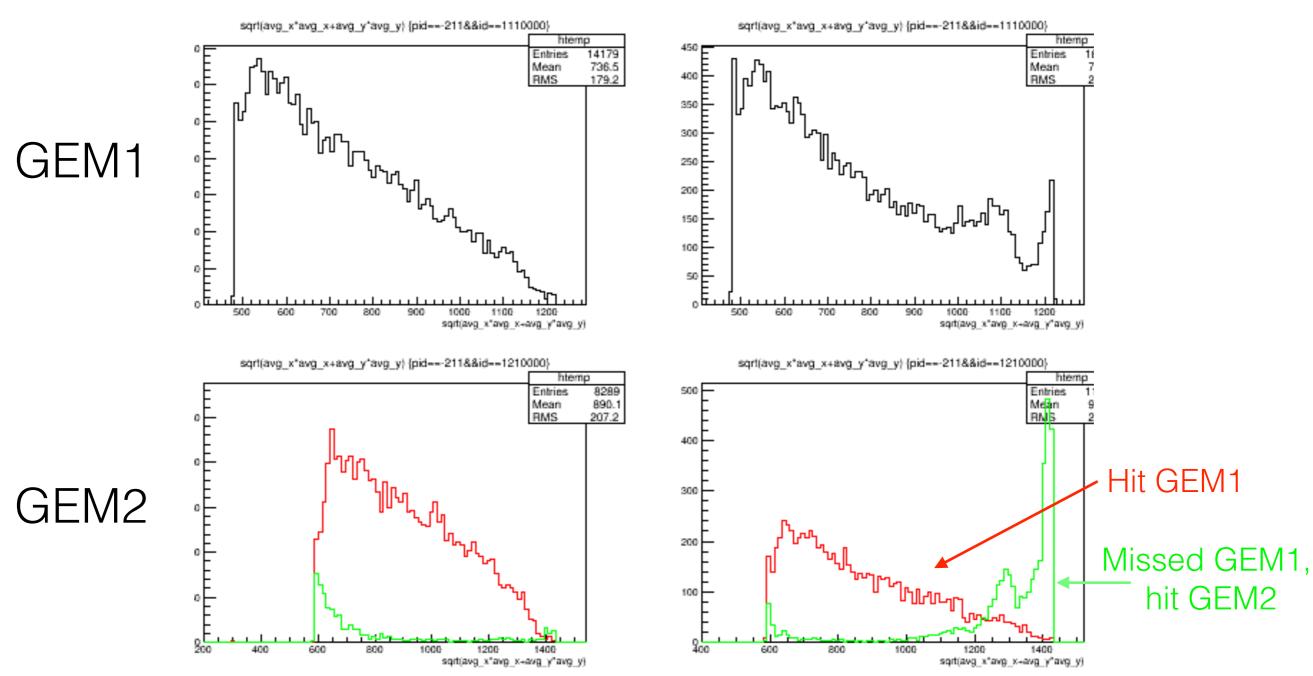
PVDIS BAFFLES UPDATE

Rich Holmes (Syracuse)
June 30, 2016 SoLID simulation meeting

 π - (Hall D) generator, full apparatus, π - entering LGC:

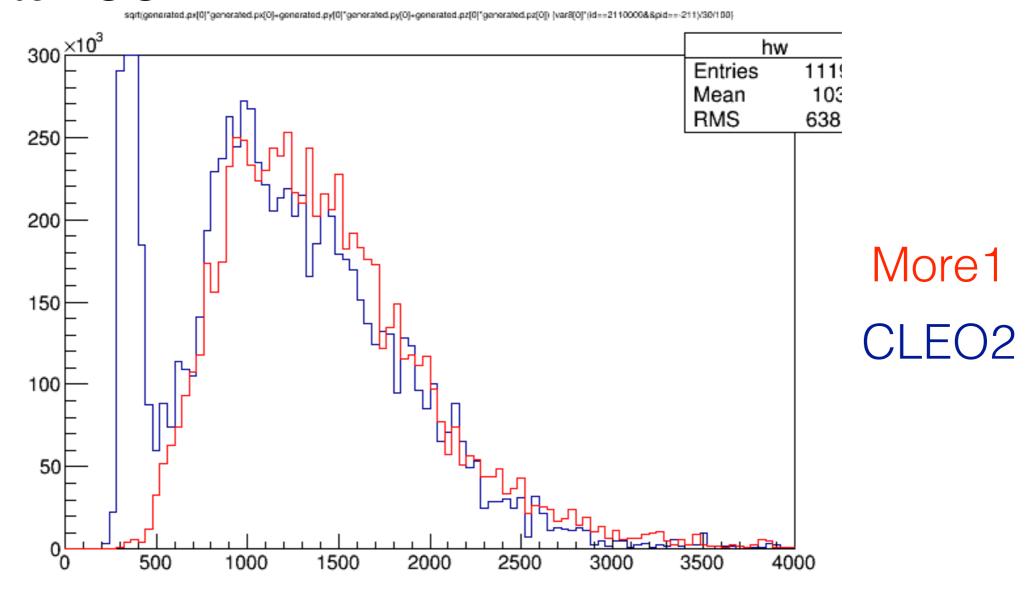
- Kryptonite baffles and no other materials: lower rate for CLEO2 baffles than for More1 baffles
- Lead baffles and full apparatus: 50% higher rate for CLEO2

π- (Hall D) generator, full apparatus, π- radial dist. in GEMs More1 baffles CLEO2 baffles



Low momentum pions hit downstream baffles and enter GEMs — absence in More1 run due to presence of neutron shielding.

Rates into LGC



- CLEO2 and More1 have similar e- acceptance (within few %)
- Similar neutrals acceptance
- Similar π- rate
- CLEO2: Better acceptance at ends of target
- Optimization has yielded little improvement but we can now say we've designed baffles to the actual magnet.