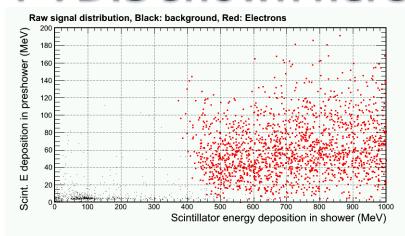
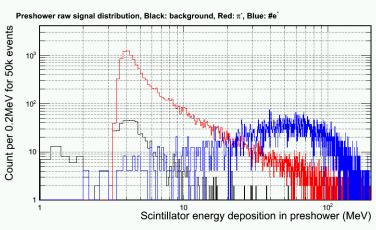
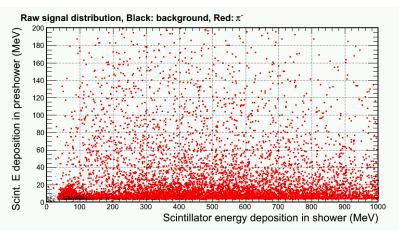


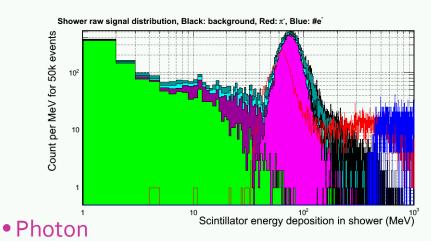


Zhiwen Updated background contribution for all configurations. PVDIS shown here:



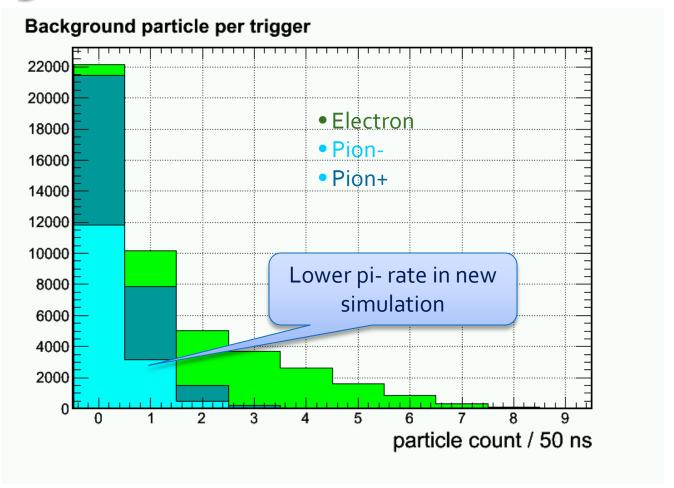






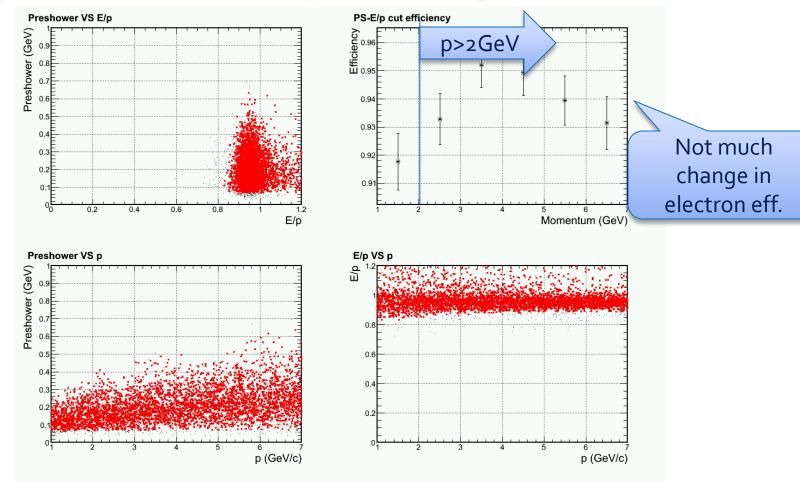
- Electron
- Pion- Pion+

Updated: Per-event pion rate for 1+6 hexagon cluster at inner radius



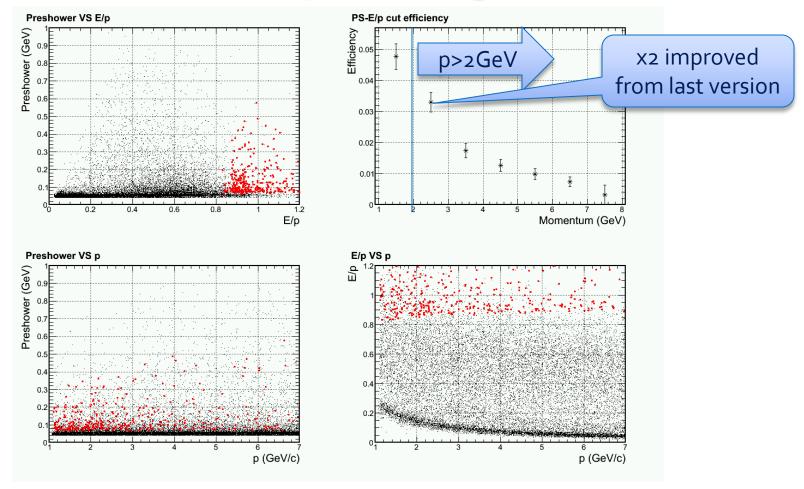


Updated: electron efficiency Only electron and pi- background used





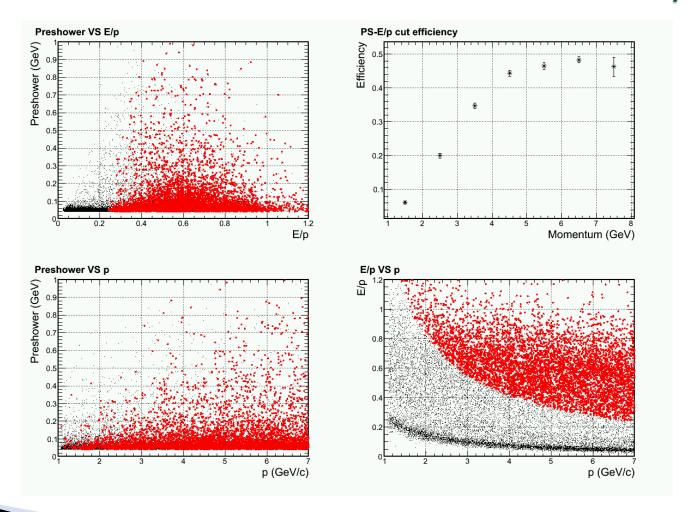
Updated: pion rejection Only electron and pi- background used





PVDIS trigger turn on curve

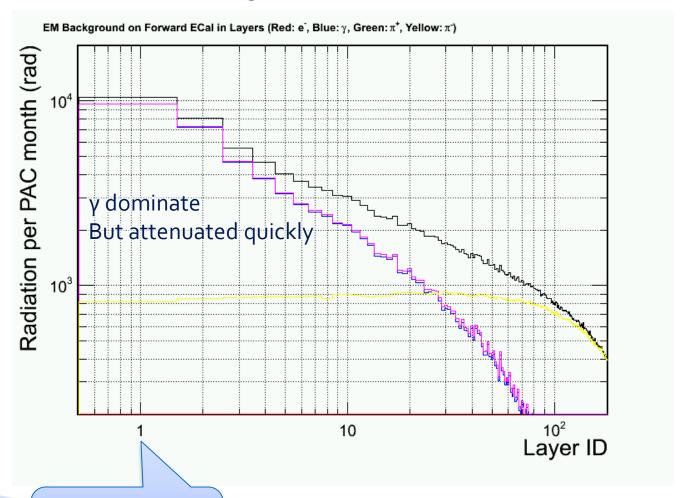
2GeV electron cut based on shower Hex1+6 cluster only





PVDIS – current baffle (with direct γ)

From Dec Collaboration Meeting

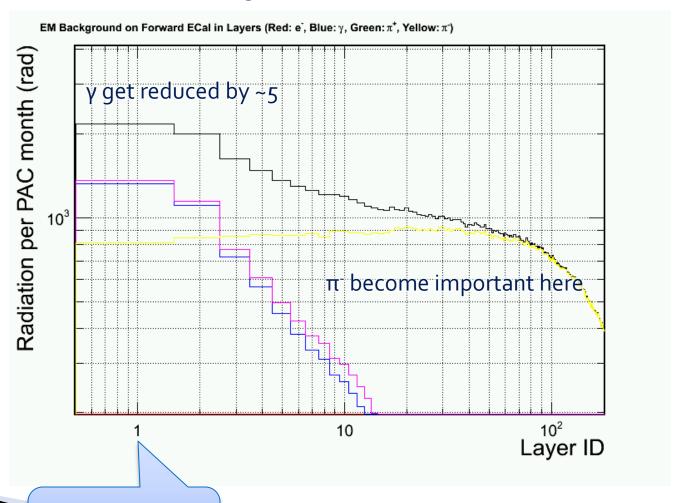




Layer #1 is 2cm preshower scint.

PVDIS – preview for a baffle w/o direct γ

From Dec Collaboration Meeting



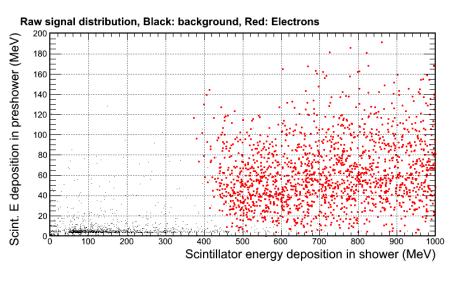


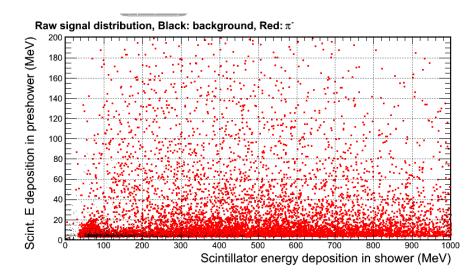
Layer #1 is 2cm preshower scint.

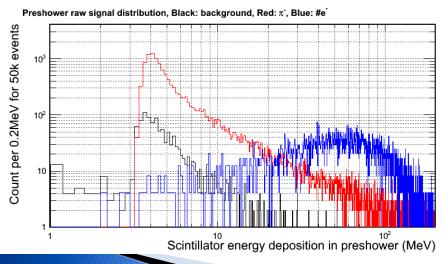
Last Version of Background Simulation (reported last week)

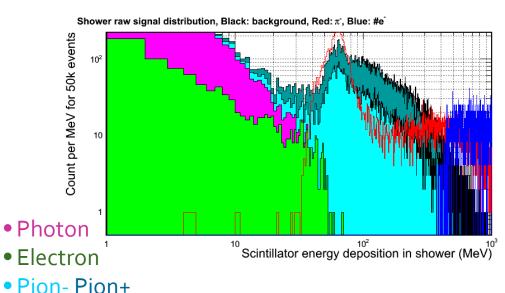


Why it is hard – lots of deep pions



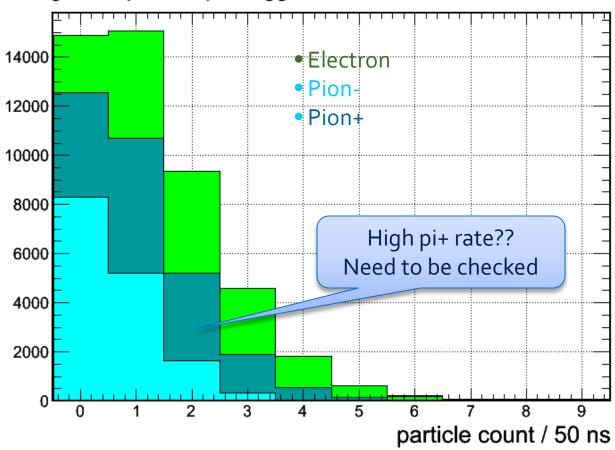






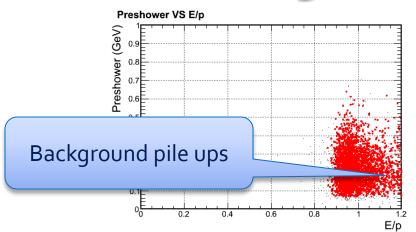
Per-event pion rate for 1+6 hexagon cluster at inner radius

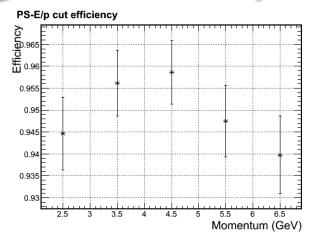
Background particle per trigger

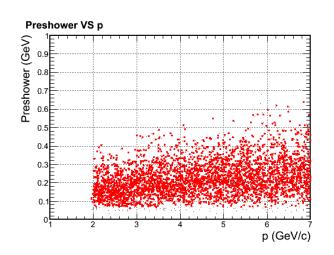


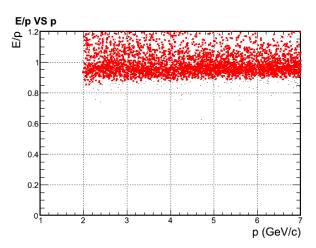


Electron efficiency w/ background at inner radius. Ignore gamma and pi+ bgd

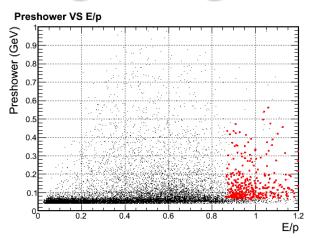


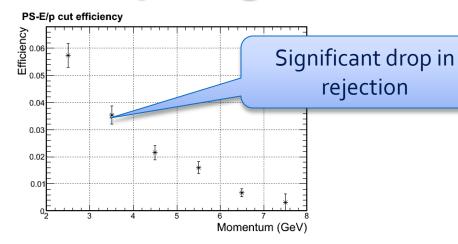


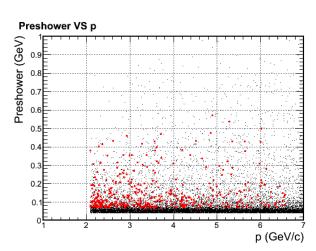


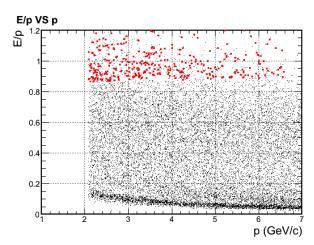


Pion efficiency w/ background at inner radius. Ignore gamma and pi+ bgd









What we can further try

- Position or kinematic dependent trigger threshold and cut threshold
- Use track multiplicity to assist calorimeter cuts

