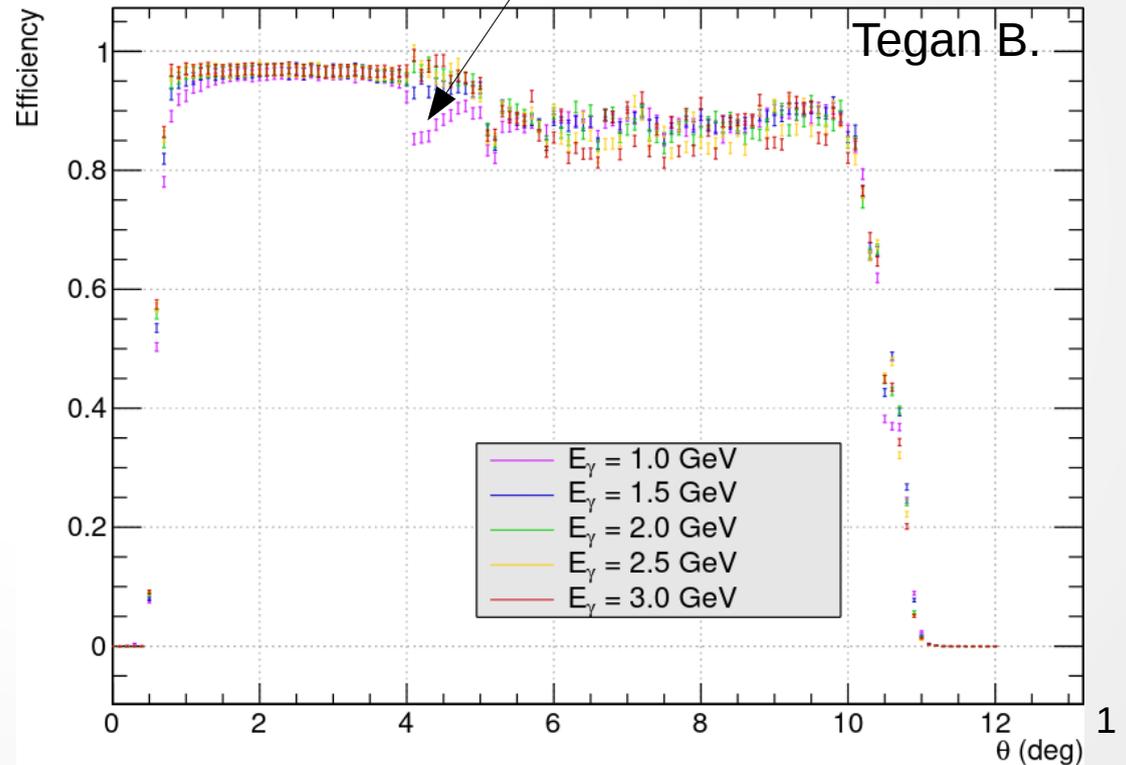
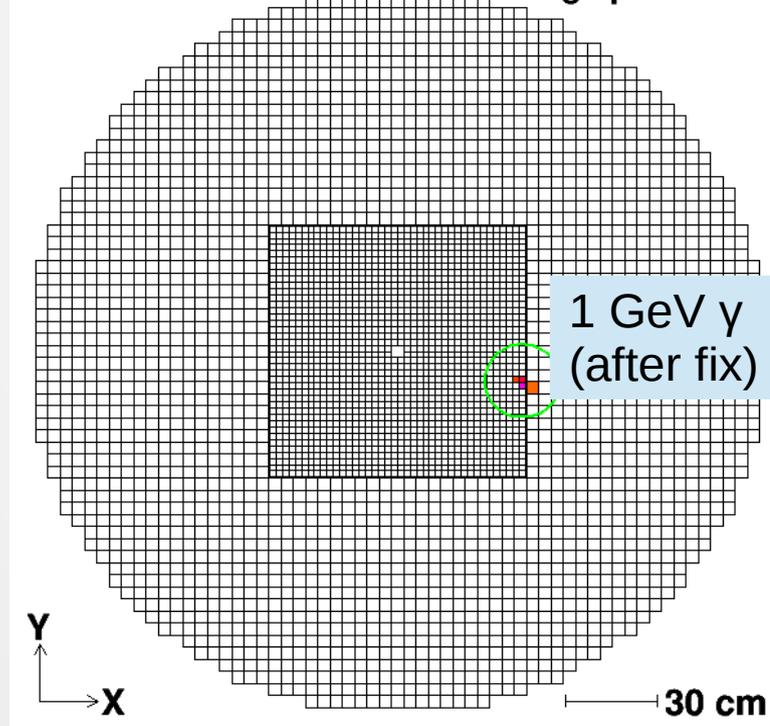


Island algorithm update

Simon Taylor / JLab

- Tegan's particle gun studies highlighted a dip in efficiency at 4° for 1 GeV photons
 - Corresponds to interface between lead glass and insert
 - I implemented a fix to the Island algorithm

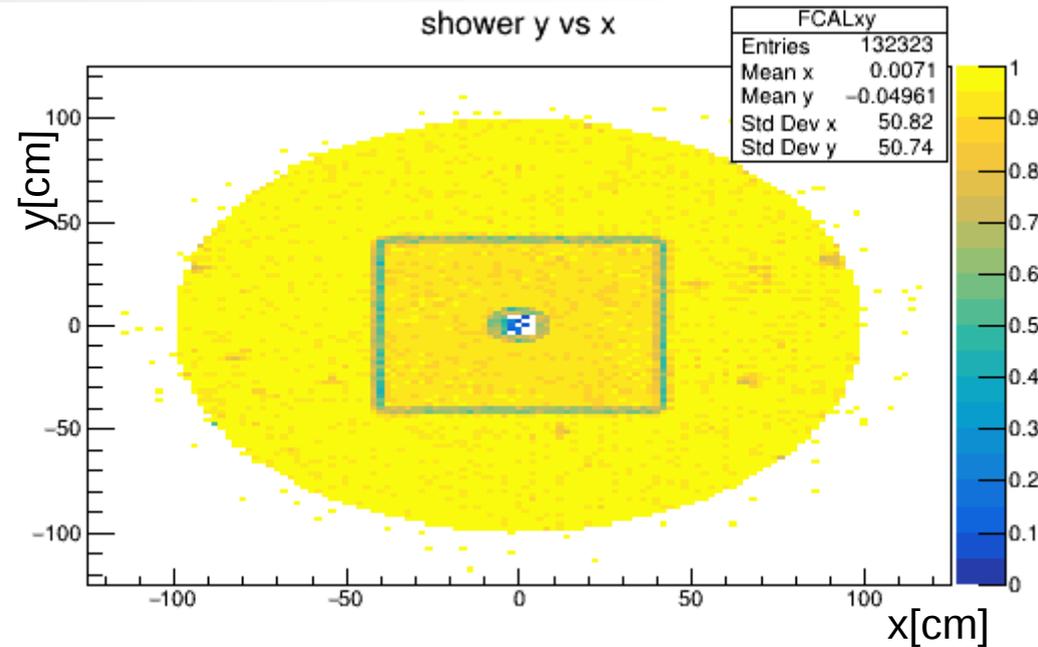
FCAL view from downstream looking upstream



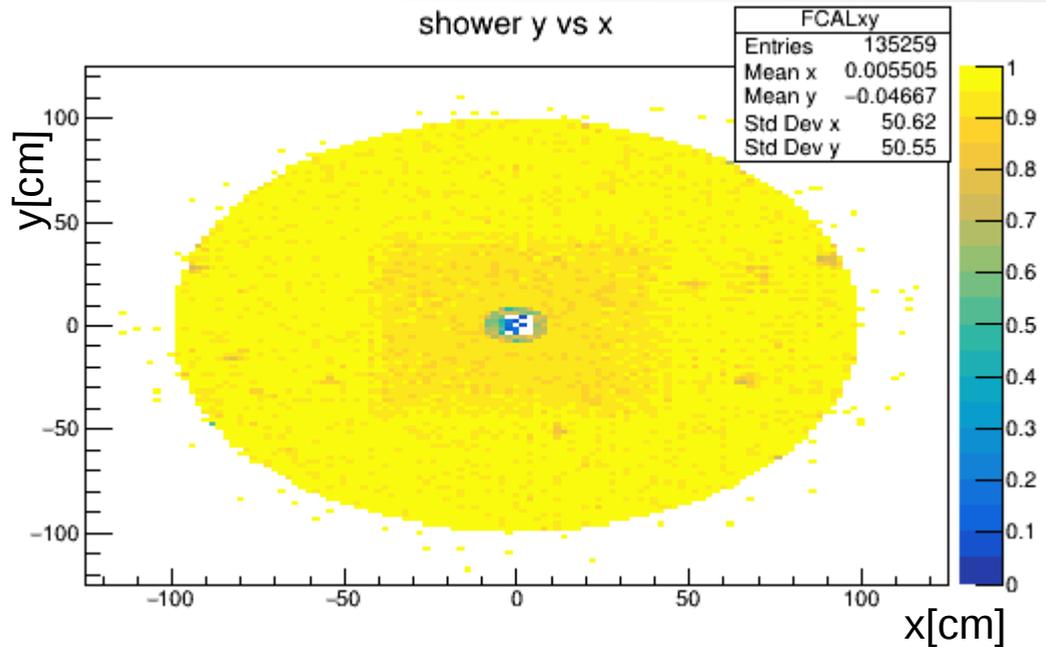
0.5 GeV photon gun

- Thrown from center of target with $\theta=0.5-10.5^\circ$
- Require at most one reconstructed shower

Old



New

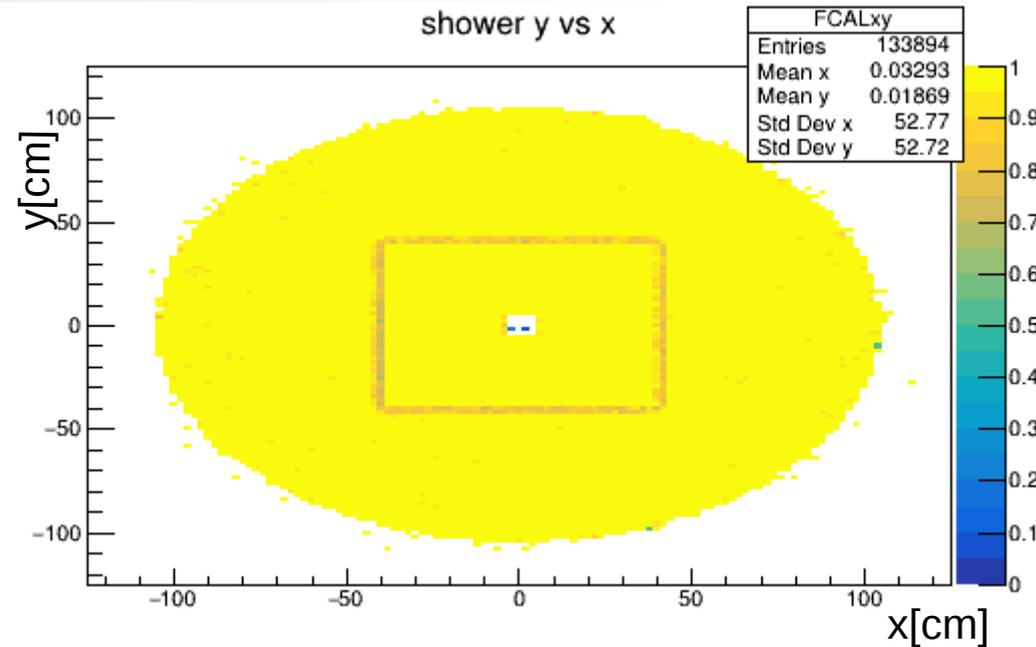


1 GeV photon gun

- Thrown from center of target with $\theta=0.5-10.5^\circ$
- Require at most one reconstructed shower

Old

shower y vs x



New

shower y vs x

