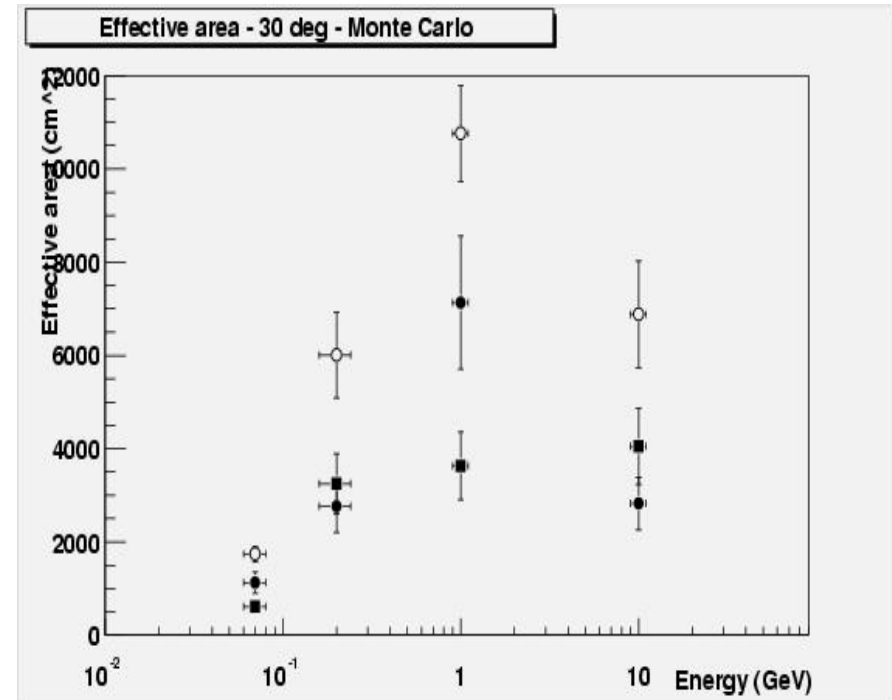
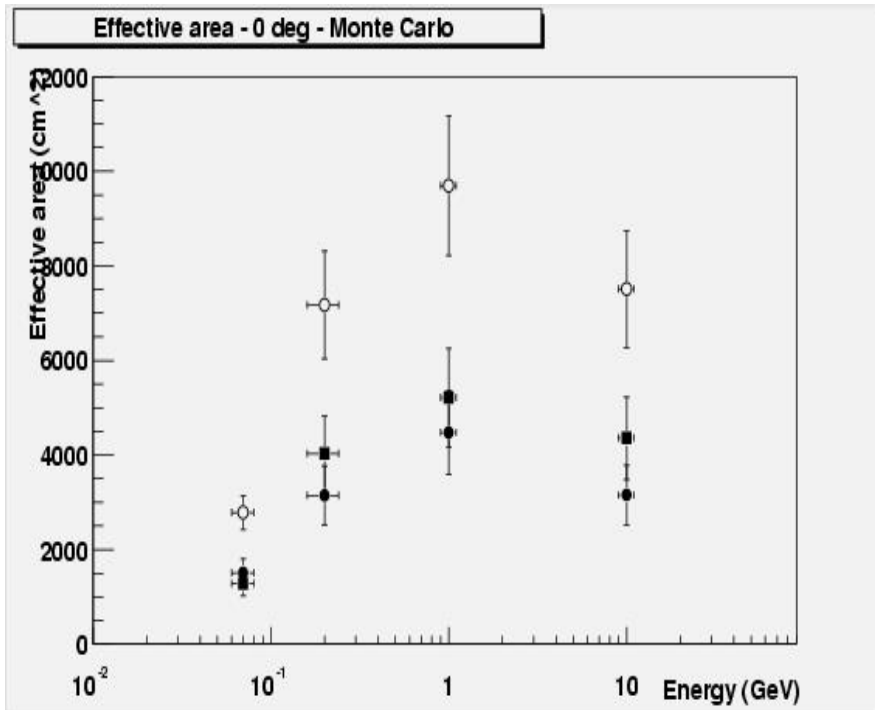


Photon Beam Test Matrix

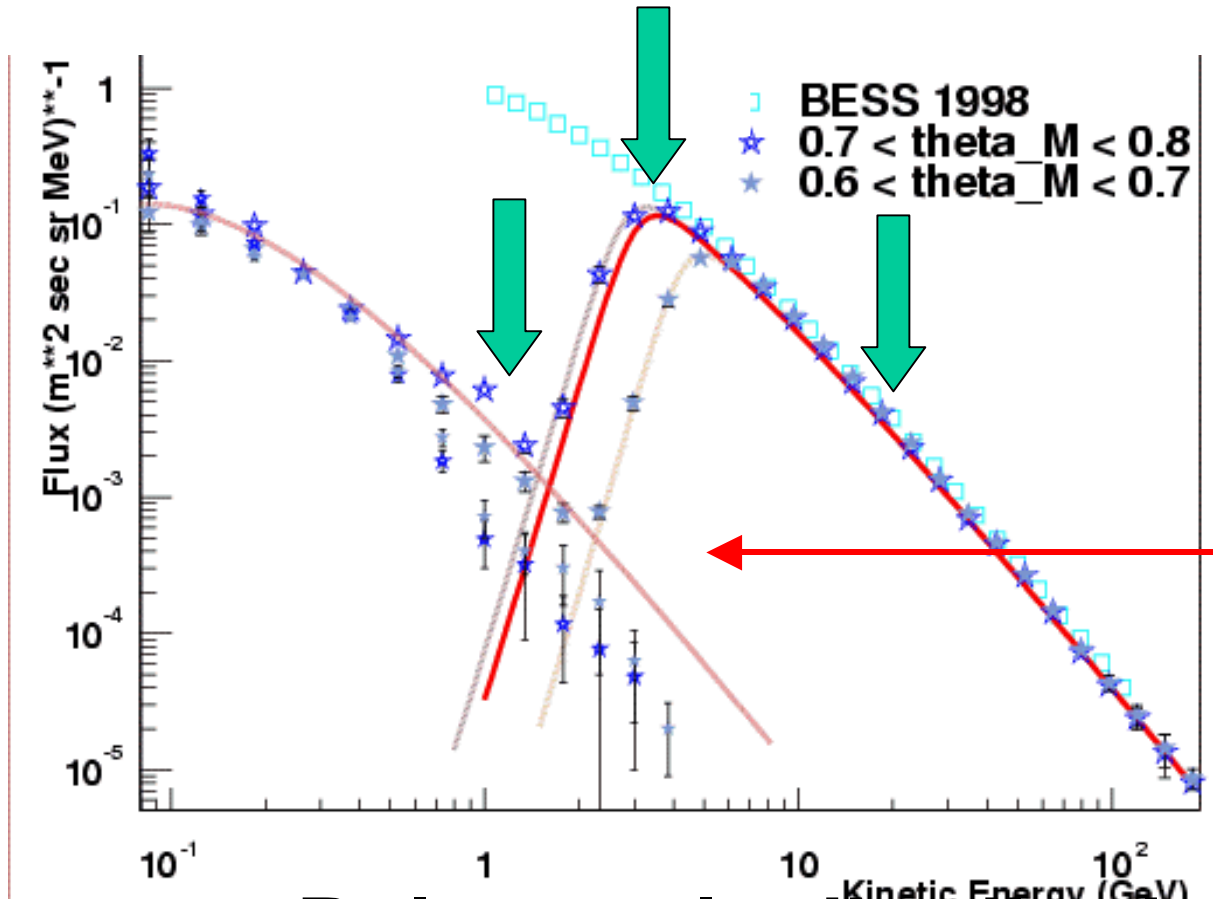


Effective area using some of Ritz's background cuts and (16 towers), PSF cuts not yet there...

This is not the AO effective area-plots. These are made with an outdated version of merit and not all cuts implemented, in the future we will use the right code.

I want to produce plots for all test matrices to attach to our beam test plan (hopefully with 2 x2 configuration)

3 Energy settings



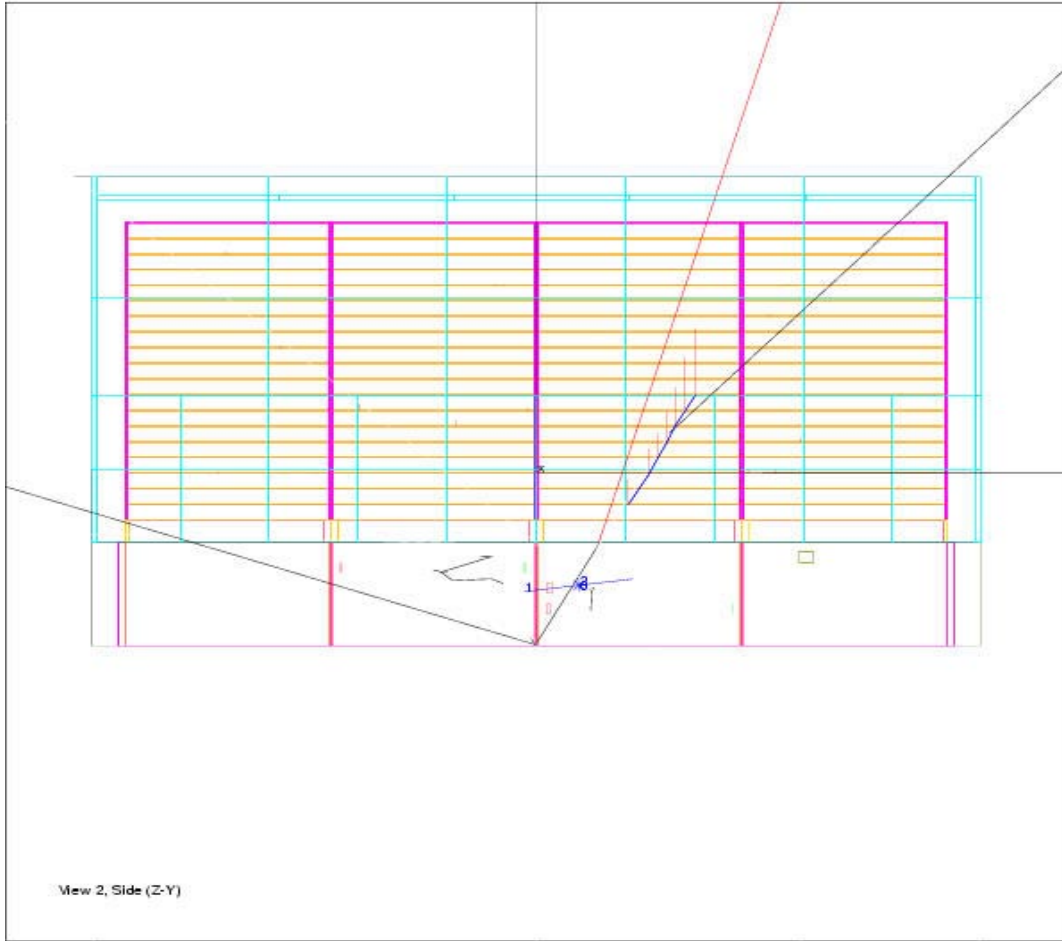
Cosmic Ray Proton Spectrum
(stolen from Mizuno)

Energy vs Angle (hadrons ~ 1 month)

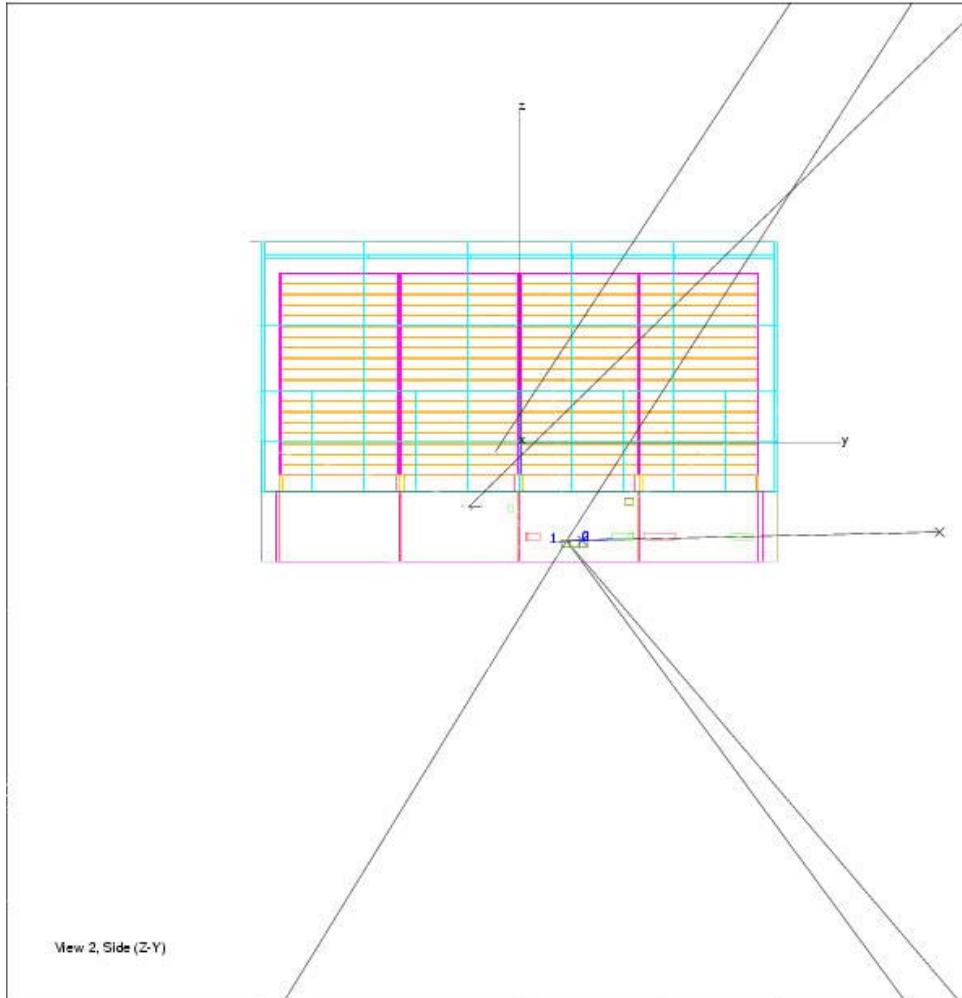
Also shoot from the back

	0 deg	45 deg	87 deg	93 Deg
2 GeV				
5 GeV				
13 GeV				

2 impact points: Thin Si layer
Thick Si layer



Proton entered here
No ACD hits



Proton entered here (CAL)
No ACD hits

How are we doing ?

Need these in the next 2 weeks

- Test Matrices (electron, photon and hadron) + simulation
- Identified 3 possible photon beams
- Will set up a CR test and hopefully with a Van der Graaf
- Try to keep both 2x2 and 1x4 configurations
- Started planning for beam test proton analysis
- Need High energy protons/positrons test matrix + plans for backslash
- Need to investigate hadron beam @ BNL/FNAL
- Need to study L1T jitters and timing
- Need to include alignment
- Need input from GSE
- Need a write up about LAT in a beam (need input from DAQ and electronics groups)
- Schedule, facilities resources and risks