pion from 1 to 4 GeV/c randomly generated in phi and theta (<11°)













Some more complicated patterns: (edges of the FBlock)

 $\theta = 0^{\circ}, \phi = 0^{\circ}$





Once upon a time one photon in the bar

Side view







Transverse view:















- Due to our acceptance, there is no need to instrument the full PMT surface with the present FBlock design
- The reflections from the FBlock sides introduce in some cases complicated patterns, that may be difficult to analyse for the reconstruction
- Design a new focusing scheme with a longer boxe (avoiding side reflections) filled with oil matching the index of refraction of the fused silica