

Event Reconstruction (Kazu & Andrzej)

- 3D reco getting into a good shape... onto event reconstruction!
- Come join us if you are interested in...
 - Event reconstruction & selection
 - Writing a probability distribution function (PDF) based algorithm
 - C++ & python coding
- We got a base toolkit!
 - It takes care of I/O. You focus on writing an algorithm
 - Fmwk independent: you can use input of your choice (larsoft, larlite, or tuple)
 - Supports PDF approach (algo designed for both selection & training)
 - Works w/ both MC and Reco information
- Our primary goals
 - background filter (cosmics, etc)
 - track/shower event reconstruction
 - single shower event selection
 - multi-shower selection (π^0 , $n\bar{n}$)

Example: Orbital Defense System in LAr

