Module orientation plan

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The plan for the PDR

- Need to make point of why X layers are needed
 - Demonstrate with comparison of **stereo** (U,V) and **full hybrid** (X,U,V) layout

- (If enough time) show results of go-to plan for PDR of every 11th layer as X layer with UX

at front







Every 11th layer

- Compare performance in
 - **Charge ID** (per momentum / energy slice)
 - End point resolution in x, y
 - Range / angular resolution





ToDo's for that plan

- 1. Create the **geometry files** (Asa, until Wednesday)
 - Meeting with Mat Muether on Thursday
 - He will take care of basic / easy changes
 - Adding X layers and extras outside his scope
- 2. Run particle / muon gun to **simulate data** (Liam, within 2 weeks?)
 - O(10–100k) with different angles and starting points [tool needs to be developed]
- 3. Run the **reconstruction** and produce **CAFs** (Liam, within 2 weeks?)
 - Reco should be set up already
- 4. Evaluate the **performance** (Kate & Andy, until November)

