

TB plan for FoCal sensors

- ◎ FoCal p-type main sensor with EIC-ZDC
- ◎ Other targets : 150, 200, 320 μm baby sensors
 - ✓ Need to request a beam time only for FoCal
- ◎ Need to take 50k events for each condition and one run is expected to take 20 min
 - ✓ 320 μm :
 - Option 1 : 0–500V with 50V step \rightarrow 3h 40min
 - Option 2 : 0–500V with 100V step \rightarrow 2h
 - ✓ 150, 200 μm :
 - 0–500V with 50V step \rightarrow 3h 40min each
 - In case of thinner sensors, finer step is needed due to lower depletion voltage
 - If the beam time has a limit, tune the maximum bias voltage be lower (300V or 400V ?)
- ◎ Total beam time for baby sensors we want to request is 6h 40m (min.) – 11h (max.)