

FCC@LPNHE

- People
 - Today
 - A. Blondel, B. Malaescu, LP
 - Soon
 - Line Delagrang PhD (10/2022 ->) 2/3 ATLAS/1/3 FCC
 - Lata Panwar ANR PostDoc (08/2022, 3 yrs) 2/3 ATLAS/1/3 FCC
- Studies
 - Concentrate on α_s determination @ Z peak
 - Via final state topology (#3jets/#2jets) w/ intern/PhD
 - Via jet substructure (Lund Jet Plane) w/ postdoc
 - -> Potential implication on detector design & parameters

Activities (1)

1. Contributions to mid-term report
 - A priori none
2. Participation future wkshops
 - ECFA WG3 on calorimetry, PID, γ detectors (Last week, LP)
 - FCC week in London (AB, LP)
 - FCC France in Strasbourg (LP)
3. Interns
 - M1 intern (May-June) supervised by Lata
 - Running Lund Jet Plane code from ATLAS on FCC samples
 - Jets, photons, electrons

Activities (2)

4. Potential contributions to DRDs

- 4 interests/contributions
 - DRDT 6.1 CALICE expertise legacy
 - DRDT 6.2 Noble liquid calorimetry
 - DRDT 3 Silicon sensors for tracking
 - DRDT 7.2 Intelligence on detectors
- Implications
 - CALICE for transmission of knowledge only
 - Silicon from ITk experience and knowledge
 - Lar from interest/expertise in Lab
- To converge
 - 1st open meeting 28/06 to present projects/discuss involvements