Detector Team Update

22 March 2022

BaBar with all
outer HCal sectors

ECCE Detector Team Updates

- Progress on ECCE NIM drafts:
    - Shared Overleaf projects exist for 8 of the planned ECCE NIM articles. (Ask respective owner for access.) ✓
    - Wherever available, preceding ECCE note imported into draft. ✓
    - Nearly identical main.tex options for consistent NIM-compatible style. ✓
    - Shared global ECCE authors and affiliations lists. (Will circulate master lists for corrections. Later, can adjust first authors in static copy of complete author list for each article.) ✓
    - Shared refs-ecce.bib for consistent citation of other ECCE articles within same NIM collection. (Refreshable import from ecce-paper-det-2022-01.) ✓
    - Thanks to all who helped develop the NIM drafts so far.

ECCE Detector Team Updates

- See ECCE document database with links to Overleaf projects:
    - https://docs.google.com/spreadsheets/d/1Nuke_bu3tKajKQoNEF50UzSZk2IpTMqrs2Xk5KjaduE/edit#gid=0
- List of developing ECCE NIM Drafts: ✓
    - ecce-paper-det-2022-01: Design of overall ECCE detector (cites other articles in collection)
    - ecce-paper-det-2022-02: Design and performance of ECCE calorimetry systems
    - ecce-paper-det-2022-03: Design and performance of ECCE tracking systems
    - ecce-notes-comp-2021-01: ECCE computing plan (note evolving in situ to preserve internal comments)
    - ecce-paper-comp-2022-01: Deep learning-based lepton identification for ECCE
    - ecce-paper-comp-2022-02: AI-assisted optimization of ECCE tracking systems
    - ecce-paper-phys-2022-01: eA diffractive production with ECCE
    - ecce-paper-phys-2022-02: Exclusive and diffractive processes and tagging with ECCE
    - ecce-paper-phys-2022-03: SIDIS double spin asymmetries with ECCE