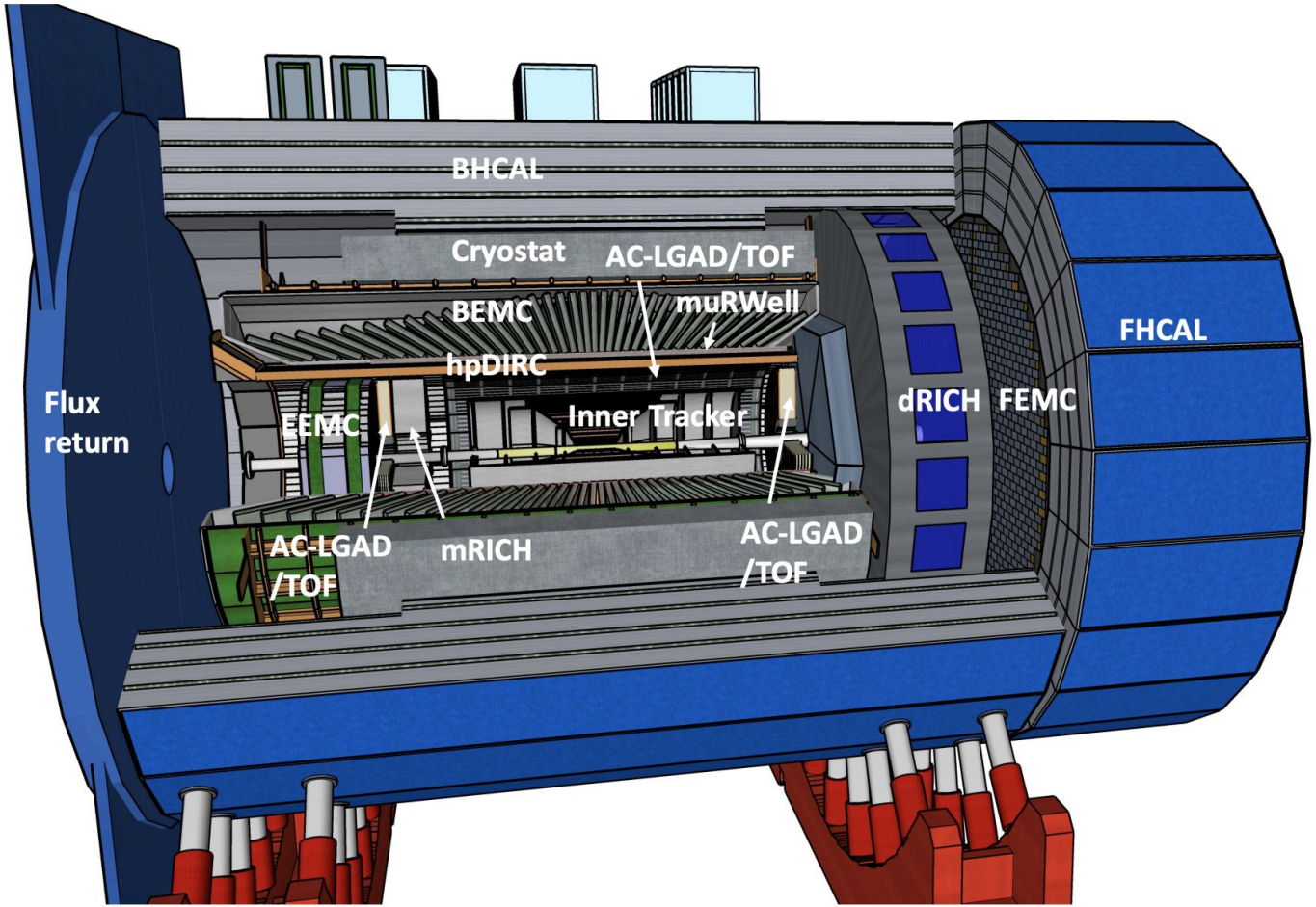
Detector Team Update

22 November 2021

ECCE Detector Team Updates

- Complete ECCE detector configuration finalized. ✓
- Detector Geant4 model, SketchUp model updated (Thank you Tanja!), and all subsystem envelopes finalized.✓
  - 2 Newport News Gov. School Seniors & 2 MIT Undergrads working on animations
- Upgrade options identified.✓
- **All cost and schedule planning data finalized**.✓
- **ECCE Proposal released to Consortium for comments.**✓
- Note DWG material in Ch. 2 “The ECCE Detector” and Ch. 5 “Cost and Schedule”.
- **Detector notes mostly in final stages of review.** (See next page.) ✓
- Detector note #07 with Cost and Schedule (tables, spreadsheets, metrics, risks, and opportunities) underway. ✓


BHCAL
Cryostat
AC-LGAD/TOF
BEMC
muRWell
hpDIRC
FHCAL
Flux return
EEMC
Inner Tracker
dRICH
FEMC
AC-LGAD /TOF
mRICH
AC-LGAD /TOF

ECCE Detector Notes

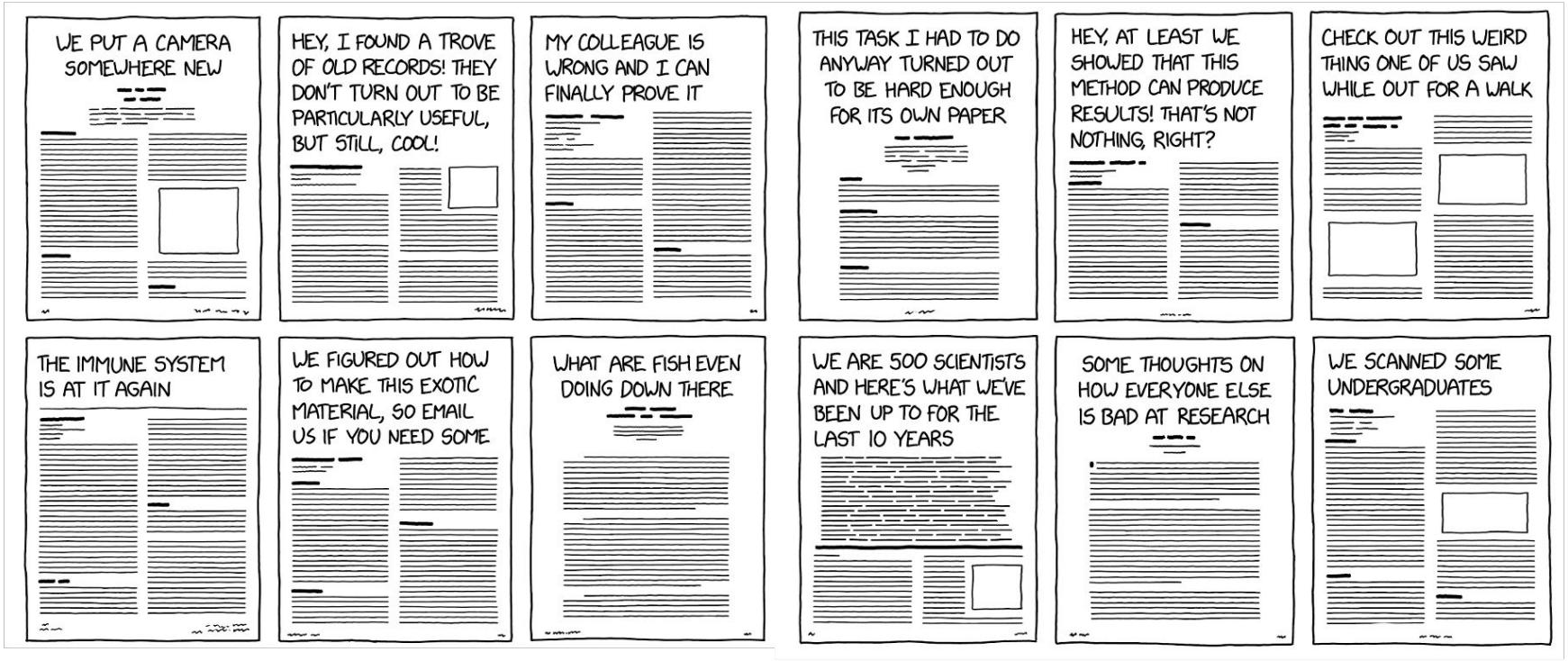
ECCE ID	Topic	Contact	Links	
ecce-note-det-2021-01	Magnet	John Lajoie	https://githu	https://www
ecce-note-det-2021-02	Calorimetry	Friederike Bock & Yongsun Kim	https://githu	https://www
ecce-note-det-2021-03	Tracking	Xuan Li & Nilange Liyanage	https://githu	https://www
ecce-note-det-2021-04	PID	Greg Kalicy & Xiaochun He	https://githu	https://www
ecce-note-det-2021-05	Readout/DAQ	Chris Cuevas & Martin Purschke	https://githu	https://www
ecce-note-det-2021-06	Far forward/Far backward	Michael Murray, Yuji Goto	https://githu	https://www
ecce-note-det-2021-07	Costing	Doug Higinbotham & Ken Read	https://githu	https://www
ecce-note-det-2021-08	Detector infrastructure	John Haggerty & John Lajoie	https://githu	https://www

ECCE Document Database with Overleaf and GitHub links for all ECCE documents:

https://docs.google.com/spreadsheets/d/1Nuke_bu3tKajKQoNEF50UzSZk2IpTMqrs2Xk5KjaduE/edit?usp=sharing

THANK YOU!

- Thank you to all our Detector Working Group co-conveners and participants for leading and contributing to the many months of DWG meetings and cost meetings.
- Please read the proposal and detector notes!
- Post any comments via GitHub following these instructions:
  - https://wiki.bnl.gov/eicug/index.php/ECCE_Editorial
- GitHub links for all ECCE documents available here: https://docs.google.com/spreadsheets/d/1Nuke_bu3tKajKQoNEF50UzSZk2IpTMqrs2Xk5KjaduE/edit?usp=sharing
- Also, can send proposal comments to responsible SC contact. (See first talk.)

Types of Scientific Papers

https://xkcd.com/2456/