

01.09.2014 EC Meeting

Present: Stepan, Maurik, Raphael, FX, Tim, Takashi, John

Please send additions and corrections to the whole EC.

1. Input to PAC41. [Experiment_C12-11-006_a.docx](#)

A document outlining HPS for PAC 41, Experiment C12-11-006, will be submitted to the Pac by Volker Burkert, along with others which pertain to Hall B. The PAC will prioritize all approved experiments that will be ready to run beginning with the first official CEBAF 12 physics run, and extending over 5 years. HPS and other C1 experiments will be considered "approved" for this process. The priorities will be passed along to JLAB management for scheduling. The HPS document requests 25 days in 2015, 50 days in 2017-2018, and the remainder in 2019 and beyond. 2016 is lost to CLAS construction and commissioning.

2. Thesis proposal from Holly Vance was approved. EC was enthusiastic about using Ecal information to improve HPS momentum resolution, but noted that improvements in mass resolution may have a small impact on the vertex search. John will pass this information on to Holly. [Holly Vance Thesis Proposal.pdf](#)

3. Thesis proposal from Kyle McCarty was approved. EC was enthusiastic about detecting and measuring the recoil electron as a way to reduce backgrounds and improve mass resolution. Kyle will be urged to develop this approach asap in Monte Carlo and in the 2015 data, and will be counseled not to expect running in 2016. [Kyle McCarty Thesis Proposal.pdf](#)

4. Thesis proposal from Luca Colaneri will be returned for clarification. EC was enthusiastic about detailed studies of tridents, and cross checking detailed trident properties. EC was confused as to just how Luca was proposing to develop a new MC generator for tridents, using Beranek's approach, or? EC is also eager that studies proceed with Monte Carlo simulation and early data.

5. John asked if there are students or post-docs who have requested HPS membership who have fallen between the cracks.

John will ask Keith about membership for Sebouh Paul. Raphael noted that Gabriel Charles should be approved, indicated he is a post doc working 100% time on Ecal hardware and simulation, and testing preamps. EC approved him. John mentioned that he had recently asked Daria Sokhan to initiate approval for a student and postdoc.

After the meeting, Stepan reminded us of a note from Bryan McKinnon, outlining his intended contributions to HPS (Ecal EPICS work, supervision of Emma Buchanan, muon studies). An early email from Daria noted that in addition to Bryan, Emma Buchanan (a masters student) will be working on Ecal gain monitoring and APD assembly and tests. I believe both are already working on HPS.

6. Next Collaboration meeting will be at JLAB on Jun 16-18. This is just after the BNL Hidden Sector meeting Jun 11-13, and before the Readiness Review, which will occur in July.

John