

04.02.2018 EC

Present: Stepan, Maurik, Nathan, Matt, Tim, John

Please send additions and/or corrections to the EC email list.

1. Bump Hunt Paper Status.

Omar described toy studies he has been using to study fit systematics,: pulls, statistical power, and chi square. He's found that using an exponential of a third order polynomial gives much better fits, with fewer parameters, than his previous fits with a 7th order polynomial. He is finding statistical power rather like the fits reported at JLAB last year, so the problem with very high limits seems to be solved. Fits to the toys show relative insensitivity to the window width (maybe 14 sigma will work), have small pulls, and except at the peak of the mass distribution, good chi squares. He's close to ready to proceed using the new function to produce new results. Tim has helped him considerably in moving to this new parameterization and understanding its features.

The plan is as follows. Omar produces new results, and sends slides describing them to EC and PPC before this coming Friday. EC can review these results at its meeting next week, and grants approval if merited. PPC is asked to approve (or not) on the same time table. If EC and PPC approve the new results, they are sent to the collaboration for approval. It is understood that these results will be the final 2015 bump hunt results, and will be incorporated into the paper and included in Matt Graham's presentation at APS. As usual, Matt is asked to clear his slides with PPC well before his talk on April 16.

2. Rules of the Road.

We discussed "Procedures for Presenting and Publishing Physics Results in HPS", [Procedures for Presenting and Publishing Physics Results in HPS \(003\).DOCX](#)

After two changes requested by Stepan and incorporated into the text above, we approved the new rules. Stepan agreed to engineer adding the suggested changes to our present bylaws so that the collaboration as a whole can consider them as an amendment.

3. Update Plans for the Collaboration meeting.

Stepan discussed the proposed announcement and agendas, [collmeeting_agenda \(002\).pdf](#) . The announcement was approved.

Respectfully submitted,

John