Draft HPS Collaboration Meeting at SLAC October 25-27, 2017 09.25.2017jj

ROB C&D

Wednesday, October 25-27, 2017  
**Reports from JLAB**

8:30 Welcome  
 8:40 CEBAF Update Arne Freyberger  
 9:05 JLAB Overview Bob McKeown   
 9:35 Hall B Update Volker Burkert  
10:00 Physics and Schedule Rolf Ent  
   
10:30 Break  
  
**State of HPS**  
11:00 HPS Overview Stepan Stepanyan   
11:30 MC Czar Report Takashi Maruyama   
12:00 MC Status Bradley Yale  
  
**12:40 Lunch**

**2015 Bump Hunt**   
 1:40 2015 Bump Hunt Intro and Update Omar Moreno  
 Systematics  
 2:00 e+e- sample composition/radiative fraction Matt Graham  
 2:20 Fits Sebouh Paul  
 2:40 Mass Resolution Omar Moreno   
 3:00 HPS Publication Plans Nathan Baltzell

**3:15 Break**  
  
**Vertex Searches**  
 3:30 Status of 2015 Vertex Search Holly Szumilla Vance  
 3:55 Status of the 2016 Vertex Search Bradley Yale   
 4:15 Using L1L2 and L2L2 Matt Solt  
 4:35 Fitting the large z tail? Holly? Takashi?   
  
**More Physics Results**

4:50 Mollers Bradley Yale   
5:05 FEEs Sebouh Paul  
5:20 2015 Bump Hunt at 1.5 mm Ani? Omar?   
5:35 2016 Bump Hunt Status Sebouh Paul

**Thursday, October 26, 2017  
Tracking and Vertexing**

9:00 Tracking Czar Overview Norman Graf  
 9:30 Alignment for 2016 Alessandra Filippi  
 9:50 Tracking Fixes and Improvements Miriam Diamond  
10:10 Vertexing Fixes and Improvements Matt Graham/   
 Holly Vance  
 **10:30 Break**

**Upgrades and Preparations for next run**11:00 Beamline Stepan Stepanyan  
11:15 Positron Trigger Status Rafayel Paremuzyan  
11:30 Positron Trigger Simulations Kyle McCarty  
11:45 SVT Overview and Upgrade Tim Nelson  
12:15 SVT Upgrade Status and testing Mike Testa

**12:30 Lunch  
Software, Recon, and Production**

1:30 Software Overview Maurik Holtrop  
 1:45 Machine Learning for HPS Analyses Kyle McCarty  
 2:10 Data Processing Update Rafayel Paremuzyan  
 2:25 Simulation tools and SLIC replacement Jeremy McCormick  
  
 **3:00 Break  
Hidden Sector Physics Mini-Symposium**

3:20 Theory Talk Brian Shuve  
 4:00 First LHCb A’ Results and Prospects Mike Williams   
 4:30 SeaQuest A’ Results and Plans? Sho Uemura?   
 5:00 LDMX? Natalia/Philip?  
 5:30 Dark Matter Radio? Peter Graham?

**7:00 Dinner at Kabul Restaurant, Redwood City**

**October 27, 2017**  
**Future Running and Collaboration Business**  
 9:00 Searching for SIMPS in HPS Miriam Diamond/  
 Matt Solt  
 9:30 Ready for True Muonium? Maurik Holtrop  
 9:50 Extended HPS Run Plan ?   
10:10 Plan for HPS Publications Matt Graham/  
 Nathan Baltzell   
 **10:30 Break**10:50 PPC Report Larry Weinstein   
11:20 EC Report John Jaros  
11:45 Discussion Maurik, Stepan, John  
  
**12:15 Lunch**

**2:00-7:00 Wine Tasting on Russian Ridge**