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**