



Exascale Requirements Reviews: High Energy Physics

Date and Location

June 10-12, 2015

Hyatt Regency Bethesda

One Bethesda Metro Center

Bethesda, MD

Agenda

Wednesday, June 10

Time	Topic	Speaker
9:00	Welcome from ASCR and HEP	Carolyn Lauzon, ASCR; Lali Chatterjee, HEP
9:05	Requirements Reviews and Impact	Barbara Helland, ASCR Facilities Director
9:20	Meeting Purpose, Organization, and Logistics	Salman Habib, ANL; Rob Roser, ANL; Richard Gerber, NERSC
9:30	P5 Science Drivers: Accelerator Experiments	Panagiotis Spentzouris, FNAL
9:45	P5 Science Drivers: Cosmic Surveys	Peter Nugent, LBNL
10:00	P5 Science Drivers: Theory	Stefan Hoeche, SLAC
10:15	Break	
10:30	Data Movement and Storage	Brian Bockelman, U. Nebraska; Joe Metzger, ESNet
11:15	HEP Science Workflows	Torre Weanus, BNL; Don Petravick, FNAL
12:00	Working Lunch: ASCR Facility Plans	Sudip Dosanjh; NERSC, ALCF, OLCF representatives
1:00	HEP Facility Plans	Lothar Bauerdick, FNAL
1:30	Traditional HPC Needs	Richard Brower, Boston University; Katrin Heitmann, ANL; Jean-Luc Vay, LBNL
2:15	Use of HPC by Data-Intensive Projects	Tom LeCompte, ANL; TBD
3:00	Break	
3:15	ASCR Connections with HEP and Future Trends	Steve Binkley, DOE Associate Director for Advanced Scientific Computing Research
3:30	HEP Computing Challenges	James Siegrist, DOE Associate Director for High Energy Physics
3:45	Open Discussion with Directors "Exascale Environment and Co-Evolution of Facilities"	Salman Habib, ANL; Richard Gerber, NERSC - moderators
4:30	General Discussion	
5:00	Adjourn/Committee Meeting	Organizing and Program Committees

Thursday, June 11

Time	Topic	Speaker	Location
9:00	Day 1 summary and charge to the breakout groups	Salman Habib, Rob Roser, Richard Gerber	
9:30	Breakouts		
	Breakout 1: Traditional HPC: Accelerators, Cosmology, LQCD		
	Breakout 2: Non-Traditional HPC: Energy, Intensity, Cosmic Frontiers; Energy/Intensity Theory		
10:30	Break		
10:45	Breakouts (continued)		
12:30	Working Lunch		
1:30	Reports from morning breakouts and discussion	All	
3:00	Break		
3:30	Breakouts reassemble and craft high-level findings		
4:30	Presentation of high-level findings from breakouts	All	
5:30	Adjourn		

Friday, June 12

Time	Topic	Participants
9:00	Report Preparation	Report authors
1:00	Adjourn	