Invitation to CHEP 2016

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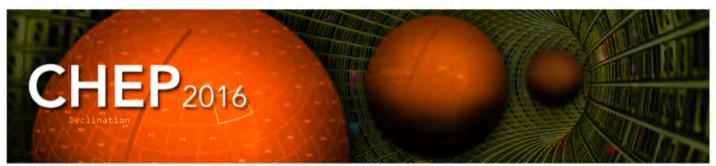
Lawrence Berkeley National Laboratory





chep2016.org





22nd International Conference on Computing in High Energy and Nuclear Physics, Hosted by SLAC and LBNL, Fall 2016

Home

History

Welcome

Welcome to the future home of the 22nd International Conference on Computing in High Energy and Nuclear Physics, CHEP 2016. The conference will be hosted by SLAC and LBNL in fall 2016 in the San Francisco bay area, California, USA.



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CHEP 2016: Status of Organization (1)

SLAC

- SLAC contracting with Stanford University Conference Management to handle the non-scientific logistics:
 - Proposing candidate venues/dates (in September snd October)
 - Interfacing with the chosen venue
 - Providing logistical support during CHEP 2016
- Working to select and announce the venue and dates real soon now!

CHEP 2016: Status of Organization (2)



- Local Organizing Committee being formed
 - Usual suspects, +
 - Contacts with relevant non-HEP science, +
 - Contacts with possible sponsors, +
 - •

- International Advisory Committee
 - Invitations will go out soon
 - Usual suspects, +
 - People with new ideas (suggestions welcome from all)

CHEP 2016 Theme?



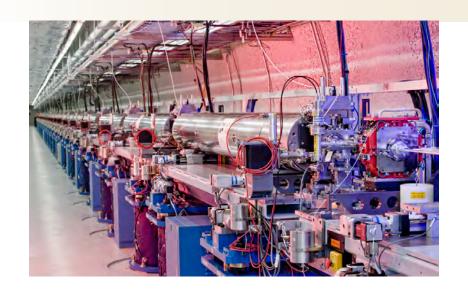
Connections with the wider world:

- Other sciences
- Silicon Valley and beyond

Science at SLAC and LBNL

LCLS: X-Ray Free Electron Laser

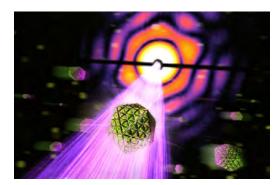








DAQ rates typical of LHC



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Astrophysics and Cosmology: FGST and LSST

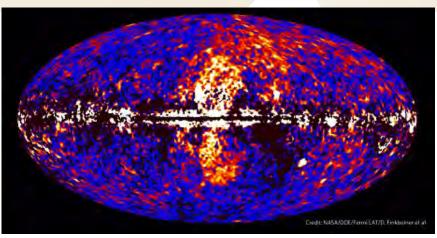


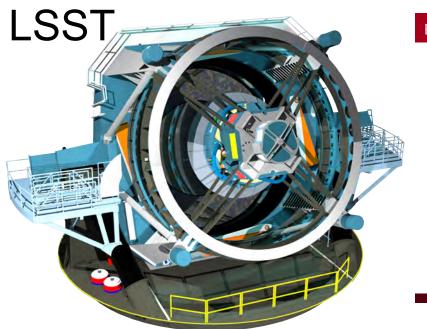
Petabyte-scale

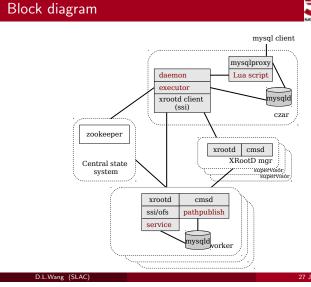
Sky Catalog

database



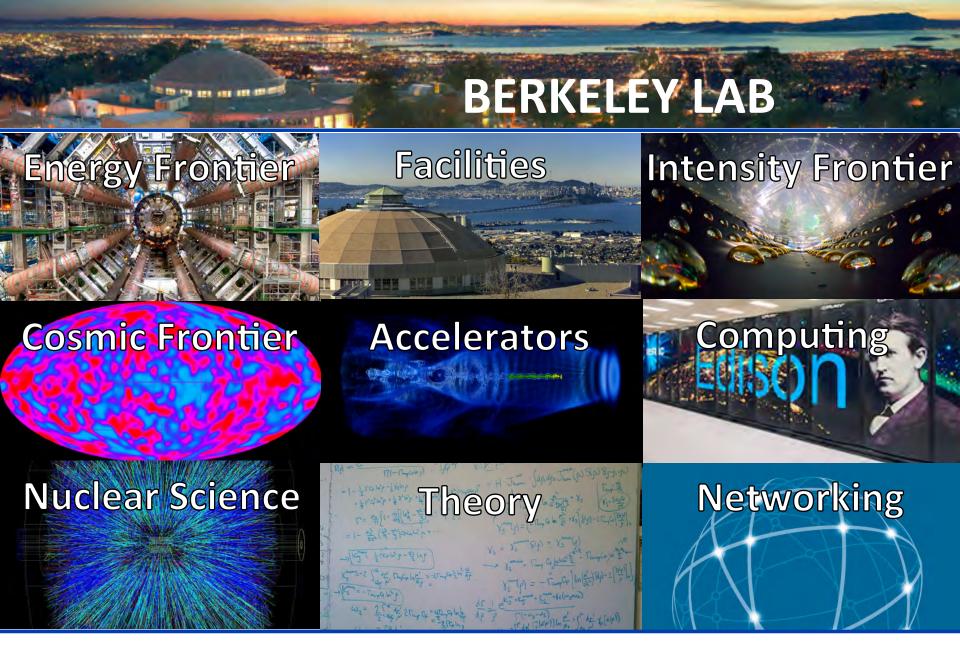






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BERKELEY LAB



DOE facility; 5000 Users – Alice, ATLAS, Daya Bay, STAR, LZ; Edison (Cray XC30) 24th on Top500

DOE ASCR facility; US-LHC link; connects 40 DOE sites & 140 networks; 100 gbps backbone





US-DOE / China anti-neutrino experiment; measurement of neutrino mixing angle θ_{13}

DOE-BES facility; 40 beam lines; materials, energy, biology; 3000 users & 800 pubs/year







ATLAS core software; Gaudi, Gaudi-Hive, PyROOT, Yoda (HPC Event Serv.), G4 simulation on Edison





The Bay Area

SLAC

Stanford

San Francisco

Berkekey

Silicon Valley







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CHEP 2015 is going to be a hard act to follow!

Many thanks to Sakamoto-san, the LOC and OIST!