

DPF Town Hall Meeting

- DPF News and updates
 - DPF Executive Committee
 - DPF Activities and Planning
 - Prizes and Awards
- Contributions
- Discussion

2011 DPF Executive Committee

Chair: Patricia McBride (01/11 - 12/11) Fermilab

Chair-Elect: Pierre Ramond (01/11 - 12/11) Univ. of Florida - Gainesville

Vice Chair: Jonathan Rosner (01/11 - 12/11) Univ. of Chicago

Past Chair: Raymond Brock (01/11 - 12/11) Michigan State Univ.

Secretary/Treasurer: Alice Bean (01/10 - 12/12) Univ. of Kansas

Councillor: Marjorie Corcoran (01/10 - 12/13) Rice University

Members-at-Large:

Kevin Pitts (01/09 - 12/11) Univ. of Illinois

David Saltzberg (01/09 - 12/11) UCLA

Kara Hoffman (01/10 - 12/12) Univ. of Maryland-College Park

Kate Scholberg (01/10 - 12/12) Duke Univ.

Jonathan Feng (01/11 - 12/13) UC Irvine

Lynne Orr (01/11 - 12/13) Univ. of Rochester

DPF Elections coming up next month - Please remember to vote!

DPF Activities and News

- **DPF Newsletter** <http://www.dpfnewsletter.org/>
- **DPF Task Force on Instrumentation**
chaired by Marcel Demarteau and Ian Shipsey
- DPF 2011 Forum on the Instrumentation Task Force is scheduled for Friday afternoon
- [Draft position papers](#) are already available on the Instrumentation Forum indico pages
- The task force is interested in your feedback.
- **Lepton Collider Forum** - previous session chaired by Jonathan Feng; comments welcome

DPF Meetings and Workshops

- Possible short **DPF Strategy Workshop in 2012** (interim meeting to “prepare” for Snowmass and to provide input to international planning efforts.)
- **DPF 2013** - exploring the possibility of holding it just before or after Lepton Photon 2013 which will be held in the San Francisco area. Several institutions have expressed some interest to host.
- **Snowmass Meeting 2013**
 - Dates and charge TBD - Decision to proceed at the recent DPF EC. Your input on the charge and scope are welcome.

2012 DPF Prizes and Awards (nomination deadline)

<http://www.aps.org/units/dpf/awards/>

- **Dissertation Award in Theoretical Particle Physics - NEW** (Oct 1, 2011)

The Award recognizes exceptional young scientists who have performed original doctoral thesis work of outstanding scientific quality and achievement in the area of theoretical particle physics.

- **Mitsuyoshi Tanaka Dissertation Award in Experimental Particle Physics** (Oct 1, 2011)

To provide recognition to exceptional young scientists who have performed original doctoral thesis work of outstanding scientific quality and achievement in the area of experimental particle physics.

- **Henry Primakoff Award for Early-Career Particle Physics - NEW** (July 15, 2011)

To recognize outstanding contributions made by physicists who are just beginning their careers, and to help promote the careers of exceptionally promising young physicists.

DPF 2011 Town Hall

- Agenda
 - Tatsuya Nakada - ECFA and European Strategy
 - David MacFarlane - Lepton Collider
 - Greg Snow - HEP Outreach and Education
 - Joel England - Accelerators and DPF
- Your comments and feedback

Meeting of the Division of Particles & Fields of the American Physical Society

August 9-13, 2011, Providence, RI

at Brown University & Rhode Island Convention Center

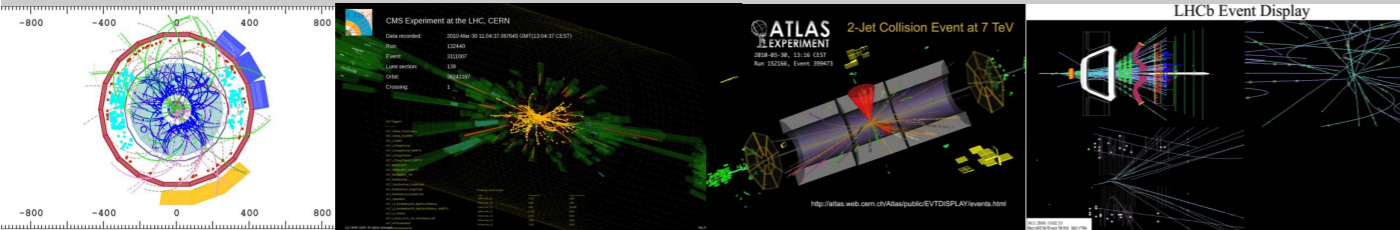


<http://www.brown.edu/dpf2011>

CP-Violation
BSM Physics
Fields & String Theory
High-Energy Gamma-ray and Neutrino Astrophysics
Early Universe & Cosmology
Astroparticle Physics and Cosmology
Dark Matter Searches
Hadron Spectroscopy
Perturbative and non-Perturbative QCD
Heavy Ion Physics
Neutrinos
Heavy Flavor Physics
Top Quark Physics
Electroweak Physics
Higgs Physics
Detector R&D
Lepton Collider Physics



Photo Credit: Stephanie Izzo



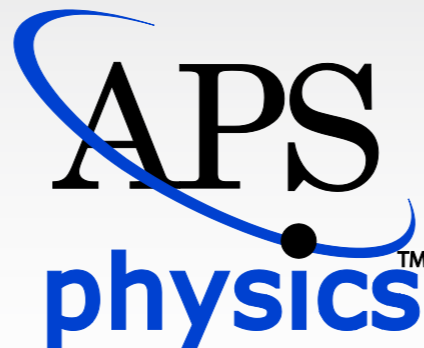
LHCb Event Display

Local Organizing Committee

David Cutts (co-chair)
Ulrich Heintz (co-chair)
Ian Dell'Antonio
Richard Gaijskell
Gerald Guralnik
Antal Jevicki
Savvas Koushiappas
Greg Landsberg
Robert Lanou
David Lowe
Meenakshi Narain
Thomas Speer
Marcus Spradlin
Chung-I Tan
Gregory Tucker
Anastasia Volovich

Scientific Organizing Committee

Meenakshi Narain (chair)
Chip Brock
Claudio Campagnari
David Cutts
Dmitri Denisov
Ulrich Heintz
Kara Hoffmann
Antal Jevicki
Boris Kayser
Greg Landsberg
Patricia McBride
Alexey Petrov
Jim Pilcher
Steve Ritz
Kate Scholberg



DPF 2011

August 9-13, 2011
Brown University,
Providence, RI

<http://www.hep.brown.edu/~DPF2011/>

Thank you!

Additional Slides

2011 DPF Prizes and Awards

<http://www.aps.org/units/dpf/awards/>

- ***J. J. Sakurai Prize for Theoretical Particle Physics***

Chris Quigg, Estia Eichten, Ian Hinchliffe, Kenneth Lane; awarded at APS April 2011

- ***Robert R. Wilson Prize for Achievement in the Physics of Particle Accelerators*** (together with DPB)

Yaroslav Derbenev, awarded at PAC 2011

- ***W.K.H. Panofsky Prize in Experimental Particle Physics***

A.J. Stewart Smith, Douglas Bryman, Laurence Littenberg; awarded at APS April 2011

- ***Mitsuyoshi Tanaka Dissertation Award in Experimental Particle Physics***

Stephen Hoover, University of California, Los Angeles

"A Search for Ultrahigh-Energy Neutrinos and Measurement of Cosmic Ray Radio Emission with the Antarctic Impulsive Transient Antenna."

to be awarded on Saturday at the Plenary session

New APS Fellows

Carl Hagen *University of Rochester* For the elucidation of the properties of spontaneous symmetry breaking in four-dimensional relativistic gauge theory and of the mechanism for the consistent generation of vector boson masses.

Cecilia Gerber *University of Illinois, Chicago* For her numerous contributions to the D0 experiment, especially the implementation of the D0 muon and silicon trackers and the elucidation of the characteristics of top quarks in the strong production of top-antitop pairs and the electroweak production of single top quarks.

Cosmas Zachos *Argonne National Laboratory* For significant theoretical contributions to supersymmetry, and for pioneering investigations of fundamental mathematical structures underlying a broad range of physical systems.

Davison Soper *University of Oregon* For seminal work in Perturbative Quantum Chromodynamics, especially proving theorems on factorization which play a crucial role in interpreting high energy particle collisions.

Dmitri Denisov *Fermilab* For his numerous and distinguished contributions to hadronic collider physics, especially in the upgrading, physics leadership and Co-Spokesmanship of the D0 experiment at the Tevatron Collider.

Gregory Sullivan *University of Maryland, College Park* For contributions to the field of experimental elementary particle physics including contributions to the discovery of the top-quark at the Fermilab Tevatron and new properties of neutrinos using Super Kamiokande-I, and for the development of experimental techniques in neutrino detection with the Super Kamiokande-I and IceCube detectors.

Keith Dienes *University of Arizona* For his seminal contributions to our understanding of grand unification, and for his work studying the diverse phenomenological implications of string theory and extra spacetime dimensions.

Mary Hall Reno *University of Iowa* For important contributions to the physics of neutrino interactions and detection, especially at high energies.

Michael Rijssenbeek *SUNY-Stony Brook* For broad achievements in detector development, innovative physics accomplishments and exceptional mentoring and outreach.

Pushpalatha Bhat *Fermilab* For her demonstration of the effectiveness of advanced statistical methods in extracting the most information from small signals in hadron collider physics and especially for pioneering the use of these techniques to improve the measurement of the top-quark mass in the D0 experiment at the Fermilab Tevatron.

New APS Fellows

Richard Gaitskell *Brown University* For his leadership and outstanding contributions to experimental searches for particle dark matter by direct detection using a variety of cryogenic techniques; especially for his work in extending the sensitivity reach by utilizing the noble liquid xenon two phase method.

Richard Hughes *Ohio State University* For his contributions to the heavy flavor program at the Tevatron. For the development of bottom quark tagging used in the discovery of the top quark and his contributions and leadership of the Level 1 tracking and triggering system crucial to the Run II physics program at CDF.

Rikutarō Yoshida *Argonne National Laboratory* For central contributions in the measurement of proton structure functions and for leadership in the construction, operation, and management of the ZEUS detector and collaboration.

Sean Carroll *California Institute of Technology* For contributions to a wide variety of subjects in cosmology, relativity, and quantum field theory, especially ideas for cosmic acceleration, as well as contributions to undergraduate, graduate, and public science education.

Stephen Schnetzer *Rutgers University* For his work co-founding the AMY detector collaboration, at which he and his student made powerful quantitative tests of quantum chromodynamics, and for his work on experimental particle physics hardware, especially his pioneering work on diamond-based detectors.

Thomas Kephart *Vanderbilt University* For many insightful contributions to elementary particle theory, including the first explicit calculation of chiral gauge anomalies in higher dimensions.

William Trischuk *University of Toronto* For the development of novel particle detectors and their application for precision measurements, including the W boson mass, the tau lepton lifetime and Bs mixing, and for seminal contributions to the development of diamond sensors, a critical technology for next generation high luminosity colliders.

Yong-Shi Wu *University of Utah* For his contributions to the mathematical foundations of quantum physics --- particularly for his work establishing profound connections between the physical laws and topology and geometry.