September 2026 DPF Newsletter

Dear DPF members,

Please find below the monthly DPF newsletter for September 2026. This newsletter will be archived on the DPF website. If you would like an announcement included in the October 2026 newsletter, please contact the DPF Secretary/Treasurer. Please keep requests to 300 words and submit them by the **10th of the month** for consideration.

DPF is the primary community organization for particle physicists in the United States. You can directly support our activities by **making a donation** at this link.

Best wishes,

Ken Bloom, DPF Secretary/Treasurer, kenbloom@unl.edu

DPF Input to DOE SCAC Facilities Subpanel
New Standard Operating Procedures for DPF
CPAD 2026, October 20-23
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US LHC Users Association Annual Meeting, January 21-23, 2027
In Memoriam: Amarjit Soni

DPF Input to DOE SCAC Facilities Subpanel

The Department of Energy Office of Science Advisory Committee (SCAC) has formed a subcommittee that is charged with prioritizing the new or upgraded research facilities that are most crucial to the needs of the nation for the next ten years (2026-2036). The list of facilities being considered can be found here. It includes four facilities of interest to DPF members. Two are "under construction": the Proton Improvement Plan II ($978M, 76% funded) and the Long Baseline Neutrino Facility ($3277M, 62% funded). Two others are "proposed": DUNE - Phase 2 Detectors and supporting infrastructure ($1000M), and U.S. contribution to future energy frontier collider ($1000M).

The subcommittee's report is anticipated at the November 2026 SCAC meeting. In advance of that, the subcommittee is holding a public town hall on 17 September 2026, and invited comments on the prioritization from universities, national laboratories, and the scientific user communities. The request for comments included these specific questions:

- As you consider the challenges and opportunities facing science broadly in the US, what advice do you have for us as we approach our charge?
- What should be our highest priority consideration? What would you do if you were in our shoes?
- What gaps do you see in the list of proposed facilities we have been tasked to prioritize?

DPF has written a response that presents the P5 recommendations, updated for subsequent events, and responds to the charge. The membership of the writing committee (D.S. Akerib, A. de Gouvêa, P. Elmer, S. Eno, L. Fields, A. Lankford, V. Martinez Outschoorn, P. Meade) was selected by the DPF Executive Committee with input from division members, and a draft was circulated to DPF for comment.

The response is now complete and has been submitted to the SCAC subcommittee. It can be found here on the DPF Engage page listing our reports. The DPF Executive Committee and the writing committee thanks members for their feedback on the draft.

New Standard Operating Procedures for DPF

APS has encouraged units to develop documented “standard operating procedures” that go beyond their bylaws to better describe unit operations. This helps preserve institutional knowledge as unit officers turn over at the end of their terms. In addition, while changes to bylaws must be approved by a vote of the unit members, the procedures need only be agreed to by the Executive Committee.

The DPF Executive Committee has now adopted a set of standard operating procedures, which can be found at https://engage.aps.org/dpf/governance/operating-procedures. These will be reviewed and updated by the Executive Committee on an annual basis.

CPAD 2026, October 20-23

Abstract submissions are now open for **CPAD 2026**, taking place **October 20–23, 2026**, at the **University of Washington in Seattle**.

CPAD 2026 will bring together the high-energy physics detector R&D community to share advances in instrumentation and detector technologies, electronics, trigger and data acquisition, simulation and reconstruction, AI/ML, test-beam facilities, and workforce development.

The meeting will also include opportunities to visit University of Washington research facilities, including **CENPA** and the **Washington Nanofabrication Facility (WNF)**. Details on lab-tour registration and schedules will be announced soon.

Submit your abstract:
CPAD 2026 Abstract Submission Portal

Key dates

- **Early-bird registration deadline:** September 18, 2026
- **Special accommodation-rate deadline:** September 20, 2026
- **Abstract submission deadline:** October 6, 2026

Please also view the scientific program and accommodation information.

We look forward to welcoming you to Seattle for an exciting week of scientific exchange, collaboration, and laboratory visits.

Best regards,
Shih-Chieh Hsu and Quentin Buat
on behalf of the CPAD 2026 Organizing Committee


COORDINATING PANEL ON ADVANCED DETECTORS · APS DIVISION OF PARTICLES & FIELDS
CPAD 2026
Instrumentation and detector R&D workshop
for high energy physics
APS
a3d3
20–23 October 2026
University of Washington · Seattle, WA
Call for abstracts open
Registration open
indico.global/event/17230
cpad2026-loc@gmail.com
Organized by the University of Washington and
Pacific Northwest National Laboratory
cpad-dpf.org
Pacific Northwest
NATIONAL LABORATORY

Next community meeting: December 3-4, 2026

Our third DPF virtual community meeting will be held December 3 and 4, 2026. It will again be joint with DNP. We have the confirmed availability of DOE and NSF staff. More details will come this fall.

US LHC Users Association Annual Meeting, January 21-23, 2027

Dear Colleagues,

Please **save the date** for the special US LHC Users Association annual meeting event, "The Interaction Point: US LHC & Future Collider Horizons", Thursday - Saturday January 21-23 at the beautiful Johns Hopkins Bloomberg center in Washington DC, steps from the Capitol.

A link to the website where you can register, find the detailed agenda and additional information about the meeting is at:

https://indico.cern.ch/event/1701592/

Early career members of our community are especially encouraged to attend in person. We are now positioned to provide funds for travel support for as many early career participants as possible.

A day on the Hill to visit Congressional and Executive Branch Offices on January 20 also is under consideration.

The agenda Thursday-Friday includes a keynote and sessions on Scientific Breakthroughs at the LHC, the Future of the Energy Frontier, Future Collider Paths, Technology Innovations Enabled by Collider Science, a Science Policy session and Panel, and a Public Lecture. The Saturday agenda includes sessions on USLUA activities including from the USLUA Government Relations Committee, as well as reports on education and outreach, undergraduate research programs, and sessions focusing on key issues and concerns of early-career researchers.

A highlight of the meeting is a series of Lightning Round sessions for students and early-career postdocs to present their work. The best presenters will be invited to join the 2027 DC trip to Congress, the Executive Branch, and funding agencies, recognizing that early career physicists and students are often among our most effective advocates.

We are grateful to Andrei Gritsan, the Johns Hopkins HEP group and staff, and the Bloomberg Center staff, for kindly hosting our meeting.

We are looking forward to an exciting, highly informative meeting, and to seeing many of you there.

Best regards

Harvey Newman, Caltech
US LHC Users Association Executive Committee Chair

Andrei Gritsan, JHU
Nexus Award PI and Organizing Committee Lead

Steve Goldfarb, Melbourne and Laura Bruce, Arizona
US LHC Users Association Annual Meeting and Events Committee Co-Leads

In Memoriam: Amarjit Soni

We note with sadness the passing of Prof. Amarjit Soni, Scientist Emeritus at Brookhaven National Laboratory, on September 11, 2026. Amarjit was a distinguished member of the U.S. particle-physics community whose scientific career was marked by important contributions to flavor physics, CP violation, and the phenomenology of weak interactions.

Amarjit's research helped shape our understanding of how precision measurements of flavor-changing processes can probe physics at energy scales far beyond the direct reach of accelerators. His work on weak decays, CP violation, neutral-meson mixing, and related flavor observables provided valuable theoretical foundations for interpreting experimental results and for identifying possible signatures of physics beyond the Standard Model. He also made significant contributions to lattice gauge theory and to the continuing effort to connect nonperturbative strong-interaction physics with phenomenological predictions.

A longtime member of Brookhaven National Laboratory, Amarjit was deeply engaged with the international particle-physics community. His scientific collaborations crossed institutional and generational boundaries, and his work was characterized by intellectual independence, physical insight, and an abiding interest in confronting theory with experiment. He was a familiar and valued participant in discussions of flavor physics, both at Brookhaven and in the wider high-energy physics community.

Amarjit was also a generous colleague and mentor. He took particular pleasure in scientific discussion and in engaging younger physicists, offering ideas, encouragement, and a perspective shaped by decades of experience. For many colleagues, his enthusiasm for physics and his readiness to debate a calculation or explore an unconventional idea were as memorable as his scientific contributions.

We extend condolences to Amarjit's family, friends, students, and collaborators. His contributions to particle physics—and the many physicists he influenced along the way—form a lasting part of our community's intellectual legacy. He will be greatly missed.

Bhupal Dev