

Repository for inputs to the US presentation at the ESPPU Venice meeting

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction and update from DPF/DPB/P5 20+10'

Presenter: MURAYAMA, Hitoshi (University of California Berkeley (US))

Contribution ID: 2

Type: **not specified**

Higgs Factories

Friday 13 June 2025 07:25 (5 minutes)

Presenters: DEMARTEAU, Marcel (Oak Ridge National Laboratory); PATTERSON, Ritchie (Cornell University (US)); RAJAGOPALAN, Srin (Brookhaven National Laboratory (US)); RAUBENHEIMER, Tor (SLAC); CAVALIERE, Viviana (Brookhaven National Lab)

Contribution ID: 3

Type: **not specified**

Muon Colliders

Friday 13 June 2025 08:50 (5 minutes)

Presenter: JINDARIANI, Sergo (Fermi National Accelerator Lab. (US))

Contribution ID: 4

Type: **not specified**

DUNE/neutrino experiments

Friday 13 June 2025 08:35 (5 minutes)

Presenters: MARSHALL, Chris (University of Rochester); MARSHALL, Chris (University of Rochester)

Contribution ID: 5

Type: **not specified**

Fermilab Accelerator Complex Evolution

Friday 13 June 2025 09:05 (5 minutes)

Presenter: VALISHEV, Alexander (Fermi National Accelerator Lab. (US))

Contribution ID: 6

Type: **not specified**

10 TeV pCM Wakefield Collider

Friday 13 June 2025 08:20 (5 minutes)

Presenter: GESSNER, Spencer (SLAC)

Contribution ID: 7

Type: **not specified**

The Electron Ion Collider

Friday 13 June 2025 09:20 (5 minutes)

1st Talk by Prof. Annalisa D'Angelo Enabling future detector technology within ePIC at the EIC (20 min)

2nd Talk by Andrei Seryi (JLab on the EIC collider (20min)

Authors: SERYI, Andrei (Jefferson Lab); Prof. D'ANGELO, Annalisa (University of Roma Tor Vergata & INFN Roma Tor Vergata)

Presenters: SERYI, Andrei (Jefferson Lab); Prof. D'ANGELO, Annalisa (University of Roma Tor Vergata & INFN Roma Tor Vergata)

Contribution ID: 8

Type: **not specified**

Training and education

Friday 13 June 2025 09:35 (15 minutes)

Presenter: LAMEE, Adam (American Physical Society)

Contribution ID: 11

Type: **not specified**

Talk on Context for the European Strategy

Friday 13 June 2025 07:15 (5 minutes)

Presenter: MONTGOMERY, Hugh

Contribution ID: **12**

Type: **not specified**

Instrumentation

Friday 13 June 2025 09:55 (5 minutes)

Organized by CPAD - Sally Seidel, Jinlong Zhang and Jonathan Asaadi

Presenters: ZHANG, Jinlong (Argonne National Laboratory (US)); Prof. ASAADI, Jonathan (University of Texas at Arlington); ASAADI, Jonathan (University of Texas at Arlington)

Contribution ID: **13**

Type: **not specified**

DPF/DPB white paper

Friday 13 June 2025 07:10 (5 minutes)

<https://arxiv.org/abs/2504.01804>

Presenters: DE GOUVEA, Andre; SCHELLMAN, Heidi Marie (Oregon State University (US)); SCHELLMAN, Heidi (Oregon State University); MURAYAMA, Hitoshi (University of California Berkeley (US)); Dr PALMER, mark (BNL)

Contribution ID: 15

Type: **not specified**

Physics Prospects for a near-term 70 TeV Proton-Proton Collider

Friday 13 June 2025 08:05 (5 minutes)

Presenter: GRAY, Heather (UC Berkeley/LBNL)

Contribution ID: **16**

Type: **not specified**

HL-LHC

Friday 13 June 2025 10:05 (5 minutes)

Presenter: MCBRIDE, Patricia

Contribution ID: 17

Type: **not specified**

LC Vision

Friday 13 June 2025 07:45 (15 minutes)

Presenter: PESKIN, Michael

Contribution ID: **18**

Type: **not specified**

SBND

Friday 13 June 2025 10:40 (5 minutes)

Contact Ornella Palamara or David Schmitz

Presenter: Dr PANDEY, Vishvas (Fermilab)

Contribution ID: **19**

Type: **not specified**

Progress on the physics and project planning for the Forward Physics Facility at the LHC

Friday 13 June 2025 10:20 (5 minutes)

Presenter: DIWAN, Milind Vaman (Brookhaven National Laboratory (US))

Contribution ID: 23

Type: **not specified**

pEDM

Friday 13 June 2025 10:55 (5 minutes)

Author: Prof. SEMERTZIDIS, Yannis (KAIST in Republic of Korea (South Korea), Former (founding) director of IBS-CAPP in Korea)

Presenter: Prof. SEMERTZIDIS, Yannis (KAIST in Republic of Korea (South Korea), Former (founding) director of IBS-CAPP in Korea)

Contribution ID: 24

Type: **not specified**

DPF/DPB Proposal for a broad US response

Presenter: SCHELLMAN, Heidi Marie (Oregon State University (US))

Contribution ID: 25

Type: **not specified**

REDTOP: Rare Eta Decays TO Explore New Physics

Friday 13 June 2025 11:10 (5 minutes)

Presenter: GATTO, Corrado (INFN & NIU)

Contribution ID: 27

Type: **not specified**

MINERvA

Friday 13 June 2025 11:15 (5 minutes)

Presenter: GRAN, Rik (University of Minnesota Duluth)

Contribution ID: **28**

Type: **not specified**

The COHERENT Experiment

Friday 13 June 2025 11:21 (5 minutes)

Presenters: HAKENMUELLER, Janina Dorin (Duke University); SCHOLBERG, Kate

Contribution ID: 29

Type: **not specified**

The Elastic Analysis Facility's (EAF's) Contribution to the Future of Analysis at Multi-Experiment Institutions and Future Colliders

Friday 13 June 2025 11:26 (5 minutes)

Presenters: CHAVEZ, Elise (University of Wisconsin Madison (US)); BOSE, Tulika (University of Wisconsin Madison (US))

Contribution ID: 30

Type: **not specified**

United States Early Career Researchers in Collider Physics input to the European Strategy for Particle Physics Update

Friday 13 June 2025 11:31 (5 minutes)

Presenters: CUMMINGS, Grace (Fermi National Accelerator Lab. (US)); AMRAM, Oz (Fermi National Accelerator Lab. (US))

Contribution ID: 32

Type: **not specified**

T2K Experiment: future plans and capabilities

Presenter: Prof. MAHN, Kendall (Michigan State University)

Contribution ID: **33**

Type: **not specified**

ICARUS

Presenter: DIWAN, Milind Vaman (Brookhaven National Laboratory (US))