

APS Division of Particles and Fields Response to European Strategy Group Call for White Papers: Addendum

December 18, 2018

Whitepaper editors and development process

Overall editors

J. Incandela, University of California, Santa Barbara, CA 93106
K. Scholberg, Dept. of Physics, Duke University, Durham, NC 27708
E. Worcester, Brookhaven National Laboratory, Upton, NY 11973

Use of the Higgs boson as a tool for further inquiry

S. Dawson, Brookhaven National Laboratory, Upton, NY 11973
M. Klute, Massachusetts Institute of Technology, MA 02139

Investigation of the physics of neutrino mass

A. de Gouvêa, Northwestern University, Evanston, IL 60208-3112
G. P. Zeller, Fermi National Accelerator Laboratory, Batavia, IL 60510

Investigation of the physics of dark matter

R. Essig, Stony Brook University, Stony Brook, NY 11794
P. Cushman, University of Minnesota, Minneapolis, MN 55455

Investigation of the physics of dark energy and cosmic inflation

S. Dodelson, Carnegie Mellon University, Pittsburgh, PA 15213
B. Jain, University of Pennsylvania, Philadelphia, PA 19104

Exploration of new particles, interactions, and physics principles

B. A. Dobrescu, Theoretical Physics Dept., Fermilab, Batavia, IL 60510
Z. Marshall, Lawrence Berkeley National Laboratory, Cyclotron Rd, Berkeley, CA 94720

Future accelerators

T. Han, Dept. of Physics & Astronomy, University of Pittsburgh, Pittsburgh, PA 15260
M. Narain, Dept. of Physics, Brown University, Providence, RI 02912
V. Shiltsev, Fermi National Accelerator Laboratory, Batavia, IL 60510

Computing

O. Gutsche, Fermi National Accelerator Laboratory, Batavia, IL 60510
D. W. Miller, Enrico Fermi Institute and the University of Chicago, University of Chicago, Chicago, IL 60637

Detector R&D

R. Lipton, Fermi National Accelerator Laboratory, Batavia, IL 60510
K. J. Palladino, Dept. of Physics, University of Wisconsin - Madison, WI 53706

Additional editors

A. El-Khadra, Dept. of Physics, University of Illinois, Urbana, IL, 61801
R. Van Kooten, Indiana University, Bloomington, IN 47405

The two DPF white papers were developed by the DPF Executive Committee and the group of editors listed above. Input was solicited from the community during the September and October of 2018, with feedback requested and incorporated in November and December.

We thank many community members for input and for comments on the draft documents.