

FUNDAMENTAL PHYSICS DIRECTORATE

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November 28, 2018

Dr. J. Stephen Binkley
Acting Director
Office of Science
U.S. Department of Energy

Dr. Anne L. Kinney
Assistant Director
Mathematical and Physical Sciences
National Science Foundation

Dear Dr. Binkley and Dr. Kinney,

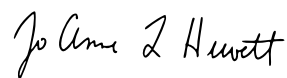
The report of the HEPAP Subpanel on the LHC Detectors for a portfolio review of DOE Office of High Energy Physics operating experiments was presented to HEPAP at its meeting on May 14, 2018. This subpanel was one of two formed to deliver reports addressing the charge in your letter of October 13, 2017 for HEPAP to assemble subpanels "to conduct an independent peer review of currently operating experiments supported by DOE Office of HEP," with a "focus on scientific impact and productivity of HEP-supported contributions to these experiments within the context of the overall DOE HEP portfolio."

At the HEPAP meeting, the LHC Detectors Subpanel chair Dr. Hugh Montgomery summarized the major findings of the review and responded to questions from HEPAP members. A draft of the written report had been circulated to HEPAP prior to, and in order to prepare for, the HEPAP meeting. Following discussion and deliberation, HEPAP unanimously endorsed the LHC Detectors Subpanel report without objection. Subsequent to the HEPAP meeting, the subpanel has prepared, and HEPAP has endorsed, the final report, which is attached.

The review process was greatly aided by the extensive and detailed information provided in advance by the LHC Detector U.S. Collaborations. The review was expertly performed and documented by the subpanel and I thank the subpanel members on behalf of HEPAP.

With this letter, on behalf of HEPAP, I respectfully submit for your consideration the final report of the HEPAP LHC Detectors Subpanel for review of U.S. DOE contributions to operating experiments at the LHC.

Sincerely,



JoAnne L. Hewett
Chair, High Energy Physics Advisory Panel