"Building for Discovery: Strategic Plan for U.S. Particle Physics in the Global Context"

Beginning in 2013, the U.S. particle physics community embarked on a community study to explore our opportunities to move forward into the next era of discovery. The results of this yearlong study were distilled into five intertwined scientific drivers: use the Higgs boson as a new tool for discovery; pursue the physics associated with neutrino mass; identify the new physics of dark matter; understand cosmic acceleration: dark energy and inflation; and explore the unknown via new particles, interactions, and physical principles. As a member of the panel charged with providing an updated strategic plan for U.S. particle physics over a ten-year timescale, I will present a summary of the report describing the field's updated and exciting vision for the future in a global context, while dealing with the realities of constrained budgets.

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