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Statement by the German Particle Physics Community as Input to the Update of the European Strategy for Particle Physics

This is the national statement by the German particle physics community, which is based on the results of four open community workshops.

The German community agrees that Europe's leading role in particle physics is to be secured by a flagship collider project at CERN after the LHC, which is essential to search for answers to the fundamental questions in particle physics. A Higgs factory remains the highest priority of the German community. The German community supports the FCC-ee as the next flagship project at CERN with highest priority. Its realization requires the timely development of a solid and affordable financial plan by CERN. Recommendations are made for scenarios in which the FCC-ee is considered not financially feasible or in which international competition calls for a complementary and more competitive collider at higher energies at CERN and related accelerator R&D efforts.

The German community considers a diverse experimental landscape of non-collider experiments essential. Furthermore, strategic considerations are presented on CERN, DESY, and the German research landscape, on theory, on sustainability, on enabling technologies and detector development, on computing, software, algorithms, and data science, on early-career researchers, on diversity, equity and inclusion, as well as on outreach.

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