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Physics at a 100 TEV PP Collider

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The talk will review the current understanding of the physics potential of a 100 TeV proton-proton circular collider, which is being considered as a possible future step in HEP, following the LHC. The high energy would obviously extend the discovery potential via direct production of new particles. But the large luminosity, cross sections and kinematical reach would also greatly enhance the indirect sensitivity to new physics at large mass scales, via precision measurements. The synergy and complementarity with an e+e- collider, with energies up to the t-tbar threshold, would further strengthen the physics potential of this future circular collider facility, probing in a definitive way large classes of new physics models proposed to address today's big puzzles of our field.

