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The CEPC Studies, R&Ds and Status, and Synergies with the LC Community

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Circular Electron-Positron Collider and the detector on it are the proposed Higgs factor in China. It will produce Higgs, Z and W bosons, and top quarks, for precision measurements and searches of new physics beyond the Standard Model. I will report, on behalf of the CEPC study group, about the progresses and results of the studies in the physics programs, R&Ds for the accelerator and the detector. This includes key elements (RF cavities, Klystrons and magnets) in the accelerator, detector concepts and the R&Ds on the subsystems (vertex detector, drift chamber and TPC for the inner tracker, and calorimeter options and prototypes). Where ever possible, synergies with the LC community will be mentioned.

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