

Physics performance of the Particle Flow Oriented detector at the CEPC

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After the Higgs discovery, precise measurements of the Higgs properties and the electroweak observables become vital for the experimental particle physics. A powerful Higgs/Z factory, the Circular Electron Positron Collider (CEPC) is proposed. The Particle Flow oriented detector design is proposed to the CEPC and a Particle Flow algorithm, Arbor has been designed and optimized accordingly.

In this talk, we would like to report the status and progress of the detector design and performance study of the PFA oriented CEPC detector.

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