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Reconstruction of Physics Objects at the Circular Electron Positron Collider with Arbor

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After the Higgs discovery, precise measurements become vital for the experimental particle physics. A powerful Higgs factory, the Circular electron- positron Collider (CEPC), is proposed. Adequate detector design and reconstruction algorithm are fundamental to this project. The Particle Flow oriented detector design is proposed to the CEPC and a Particle Flow algorithm, Arbor, is optimized accordingly. The performance of physics object reconstruction with Arbor algorithm and how this combination fulfills the physics requirement of CEPC will be presented.

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