

FCC Based Lepton-Hadron and Photon-Hadron Colliders: Luminosity and Physics

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Construction of linear electron-positron collider (or special/dedicated linac) and muon collider tangential to FCC will give opportunity to achieve highest center of mass energy in lepton-hadron and photon-hadron collisions. Luminosities of the FCC based e-p, mu-p, e-A, mu-A, gamma-p, gamma-A and FEL gamma-A colliders are estimated. Physics search potentials of these machines are summarized.

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