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Diffraction and Low x Physics at a Large Hadron electron Collider

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The Large Hadron Electron Collider is a proposed upgrade to the LHC in which the existing proton or heavy ion beams collide with a newly constructed electron beam of nominal energy 60 GeV, simultaneously with ongoing pp or AA collisions. As well as the overall status of the project, prospects for diffractive physics studies in particular and low x physics more generally will be discussed in this presentation.

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