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Small-x Physics at the LHeC

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The Large Hadron-Electron Collider LHeC is a proposed upgrade of the LHC to study ep/eA collisions in the TeV regime, by adding a 60 GeV electron beam through an Energy Recovery Linac. In this talk we will review the possibilities for studying the small-x region in this machine, with emphasis in the potential for unravelling the existence of a novel, non-linear saturation regime of QCD through inclusive and exclusive observables in ep and eA collisions.

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