

Elastic and Diffractive Scattering at the LHC

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Whereas most LHC physics is concerned with very rare or exotic processes such as the production of Higgs bosons or new particles beyond the Standard Model, our understanding of what 'usually' happens in high energy proton-proton collisions is surprisingly poor. This talk will review LHC measurements of some of the most commonly occurring processes, loosely collected together under the label 'diffraction'.

These will include elastic scattering, diffractive dissociation and ultra-peripheral vector meson production.