



The Niels Bohr  
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## Diffractive studies at the LHC

*Wednesday 25 June 2014 16:00 (20 minutes)*

Diffractive processes at LHC energies constitutes about 25 % of the total cross section but are currently not well understood since diffraction belongs to the soft non-perturbative region of QCD. This talk will introduce the different kinds of diffractive processes and explain how we can gain knowledge about diffraction by tagging the proton(s) at very small scattering angles. Also, the connection between diffractive processes and cosmic rays will be discussed.

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**Session Classification:** Problems Class/Student Talks