

# Forward charm production and the small- $x$ gluon PDF (20+10min)

*Friday, 4 September 2015 12:30 (30 minutes)*

Measurements of forward heavy quark production simultaneously provides sensitivity to relatively large- and small- $x$  PDFs. I will discuss how measurements of prompt charm production (with carefully selected observables) can be used to constrain the gluon PDF for values of  $x < 10^{-5}$  – a kinematic region which is not well constrained by pre-LHC data.

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