

## Small $x$ and multiple scattering effects in forward Drell-Yan scattering

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The forward Drell-Yan scattering is an excellent probe of the proton structure down to very small  $x$ . In this region effects of BFKL evolution are strong. We study in detail these effects in the Drell-Yan structure functions. At small  $x$  and moderate invariant masses of the Drell-Yan pair also effects of higher twist operators and multiple scattering are expected to turn on. We model them using the GBW saturation model.

### Relevant topics

forward scattering, Drell-Yan process, small  $x$  resummation, higher twist effects, gluon saturation

**Authors:** MOTYKA, Leszek; SADZIKOWSKI, Mariusz (Jagiellonian University); STEBEL, Tomasz (Institute of Nuclear Physics PAN)

**Presenter:** MOTYKA, Leszek