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## **Double parton scattering and multi parton interaction at the LHC**

*Wednesday 30 November 2022 11:55 (30 minutes)*

In this contribution we summarize the role of multi parton scattering at the LHC with emphasis on the double parton scattering (DPS). In particular, the relevance of these processes will be discussed in view of the extraction of novel information on the proton structure.

Finally, possible developments for the observation of DPS at the future EIC will be presented.

### **Declaration**

I certify that I have checked that I am authorised to submit the abstract with the listed co-authors with their current affiliations

### **Change of Speaker**

I understand that change of speaker is allowed provided that no participant gives more than one talk. Otherwise, we will ask the speaker to choose between one or the other abstract to be presented.

**Author:** RINALDI, Matteo

**Presenter:** RINALDI, Matteo

**Session Classification:** Plenary

**Track Classification:** WG7: Parton tomography from 1D to 5D