

# Double parton scattering (WG2) summary

Conveners: Rafal Maciula, Daria Savrina, Arthur Moraes

Contacted 23 theoreticians working on the DPS topics  
(the full list is in backup)

Explicit expression of interest received from those in the table:

- accepted the invitation
- the abstract is submitted
- requested for support

| Name                               | Talk title  |
|------------------------------------|---|
| Theoretical/phenomenological talks |   |
| Roman Pasechnik                    | Probing double parton scattering via associated open charm and bottom production in ultraperipheral pA collisions |
| Ramandeep Kumar                    |   |
| Lia Pancheri                       |   |
| Krzysztof Golec-Biernat            |   |
| Federico Ceccopieri                |   |

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| Name                                     | Talk title   |
|--|--|
| Theoretical/phenomenological talks       |  |
| Jean-Philippe Lansberg                   |  |
| Oleh Fedkevych                           | Double parton scattering in jet production processes           |
| Christian Zimmermann                     | Double Parton Distributions for the Nucleon on the Lattice     |
| Giulia Pancheri                          | Models for the energy behaviour of MPS effective cross-section |
| Federico Alberto Ceccopieri              | Same sign WW production in pA collisions via DPS revisited     |
| Baptiste Cabouat, Jonathan Richard Gaunt | Simulating Double Parton Scattering with dShower               |

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Contacted 4 collaborations with “pre-suggested” topics, and advertised possibility of time slots for additional talks

| Collaboration       | (Suggested) talk title                                   |
|---------------------|--|
| Experimental talks  |  |
| ATLAS Collaboration | Measurements of double parton scattering at ATLAS        |
| ATLAS Collaboration | ATLAS results on quarkonia and its associated production |
| LHCb Collaboration  | Double parton scattering at the LHCb experiment          |

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|-----------------------|--|
| Experimental talks    |  |
| ATLAS collaboration   | ATLAS results on quarkonia and its associated production |
| CMS Collaboration     | Double parton scattering at CMS                          |
| CMS Collaboration     | Monte-Carlo modelling and tuning at CMS                  |
| CDF&D0 Collaborations | Double parton scattering at Tevatron                     |

Waiting for some last-minute contributions from ATLAS and CMS

## *Full list of contacted theorists*

Markus Diehl  
Jonathan Gaunt  
Torbjörn Sjöstrand  
Leif Lönnblad  
Frank Krauss  
Daniele Treleani  
Paolo Bartalini  
Boris Blok  
Federico Alberto Ceccopieri  
Matteo Rinaldi  
Giulia Pancheri  
Deepak Kar  
Krzysztof Golec-Biernat  
Anna Staśto  
Ramandeep Kumar  
Pierre van Mechelen  
Nick van Remortel  
Roman Pasechnik  
Alexander Snigirev  
Giorgio Calucci  
Jean-Philippe Lansberg  
Hannes Jung