

10th International Workshop on
Multiple Partonic Interactions at the LHC
MPI@LHC
Perugia, December 2018

WG5:
MPI, Small-x and Diffraction

M Gallinaro and F Hautmann

MPI, Small-x and Diffraction

- Exclusive processes:
 - LHC as a photon collider
 - Exclusive production
 - Physics prospects in the forward region
- MPI and small-x physics:
 - evolution of small-x final states
 - diffractive dissociation
 - saturation effects
 - MPI in multi-jet production
- Interplay of MPI and parton-showering
- MC tuning and small-x physics parameters

MPI, Small-x and Diffraction

- Plan to have “n of order 10” talks (theory and experiment)
- Would like to ask experiments to provide speakers who can give talks on general themes proposed by organizers and cover analyses by different experiments (rather than reporting on a single analysis or a single experiment)
- Interested to have discussion on future prospects and on experiments beyond the LHC
- Would like to have one or two overview talks (possibly joint with other working groups)