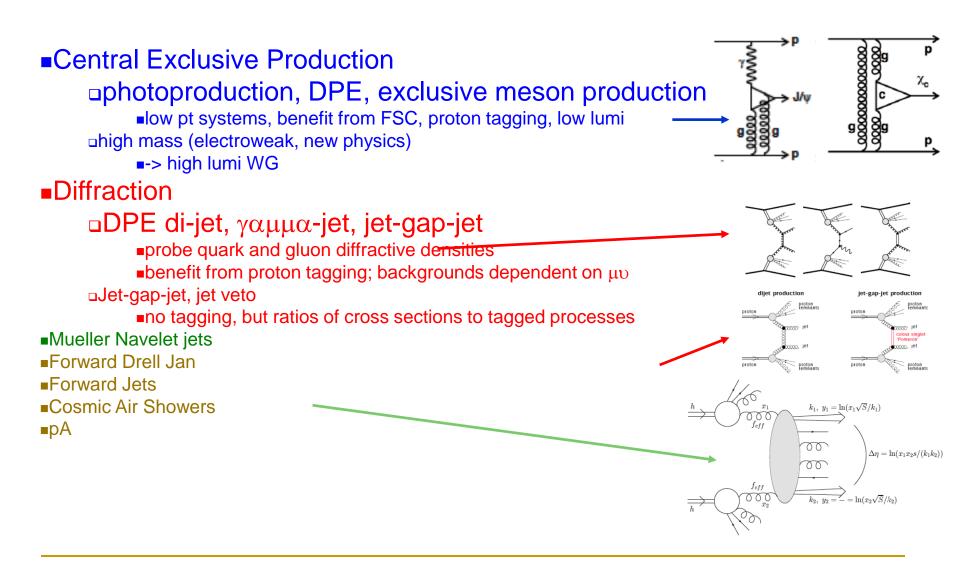
## Medium Lumi WG

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## Medium Lumi Processes



## Steps for October meeting I

- Split topics by experiment, as conditions vary greatly
- ■For each topic: which steps needed to answer common questions?
  - □Quantitative benefit of proton tagging + timing option
  - □Benefit of FSCs (past, present, future)
  - □(general) can we come up with more optimal filling schemes, opportunities for low lumi running
  - □Purity as a function of mu: establish best/worst case running scenarios□Which MC generators are needed and timescale
    - ■FPMC (forward physics MC), implementation of all diffractive/photon induced processes + interface to ATLAS
    - ■CMS generator study: (Pythia, Herwig, Powheg, Cascade, HEJ, Sherpa, BFKL NLL, NLOJET)
    - ■mcplots.cern.ch resource
    - ■Superchic++, updated MNRT, in general, attacking (or measuring!) proton disassociation backgrounds
    - Arelevant values for survival prpbabilities

## Steps for October meeting II

- Establish full list of topics/contributors
  - with input from this workshop series ++
  - looking out for overlap with other WG sections
- ■Invite further speakers e.g. cosmic air, Pierre Auger
- Writing assignments, deadline January meeting?