

University of Edinburgh, UK (Undergrad/Masters) 11'-16'

University of Liverpool, UK (PhD) 16'-20'

University of Jyväskylä, Finland (PostDoc) 20'-22'

Chris Flett

Postdoctoral Researcher @IJCLab from November 2022

- Research

QCD

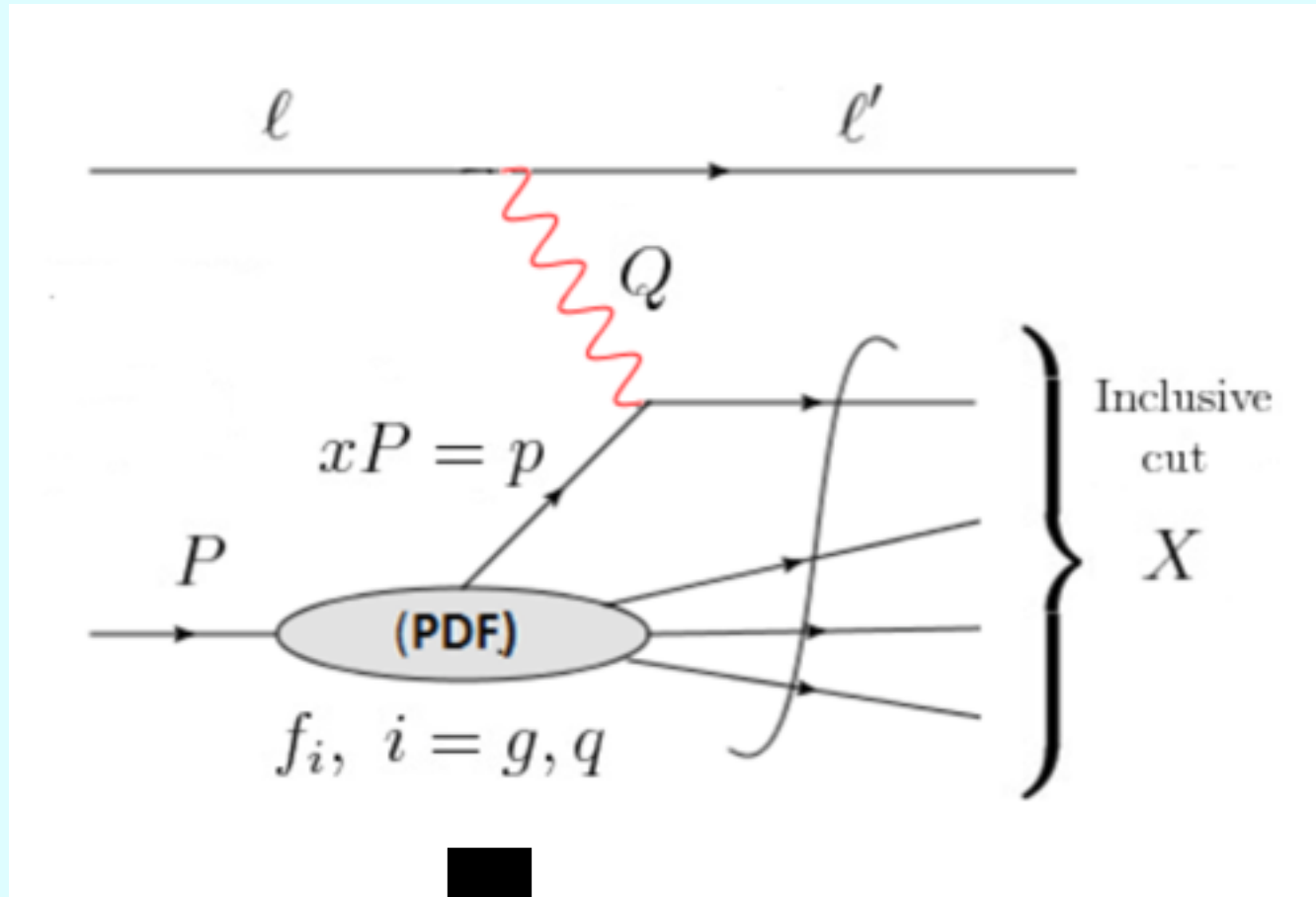
- Exclusive collider phenomenology
- Parton distributions & small x physics

- Hobbies

- Travelling
- Reading
- Gym



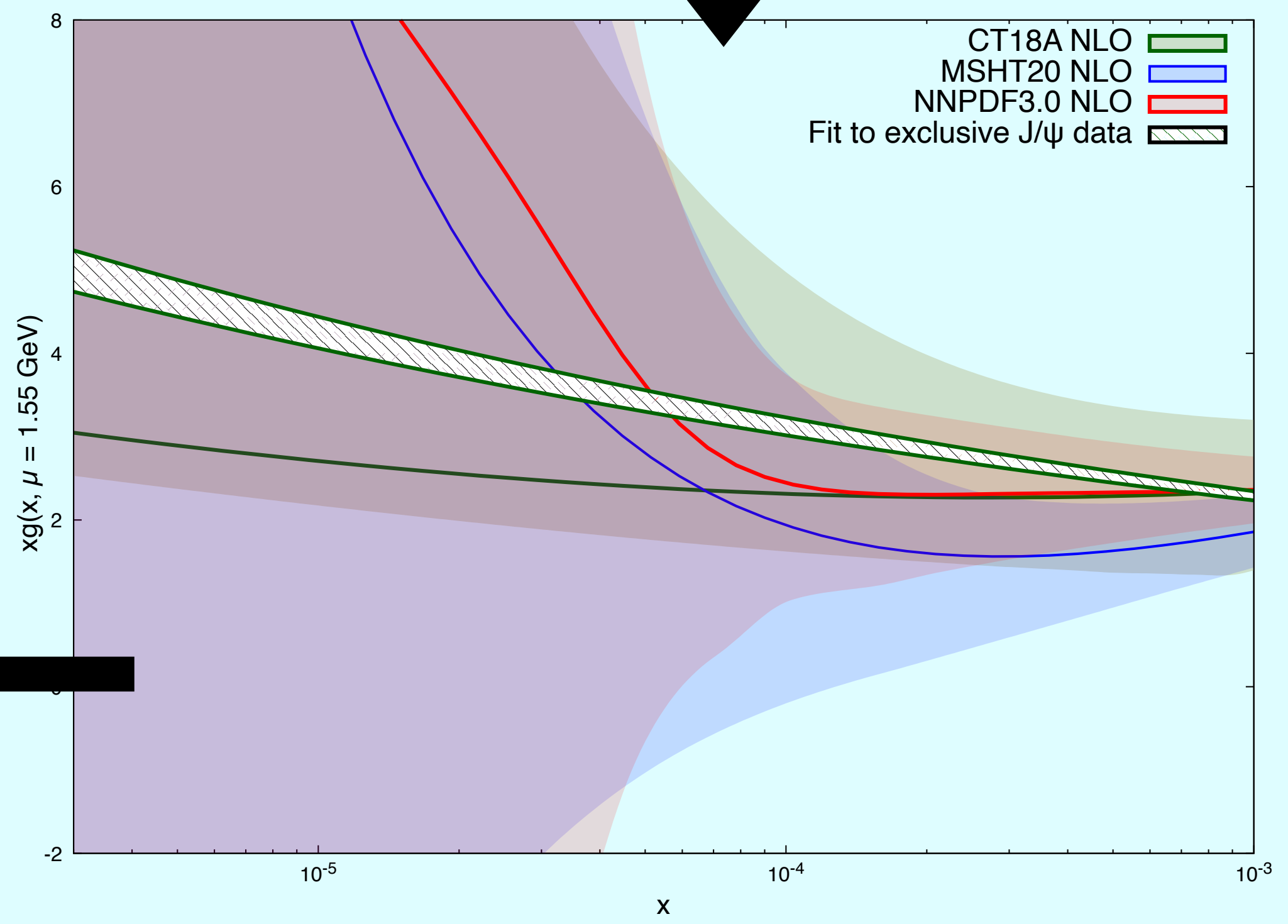
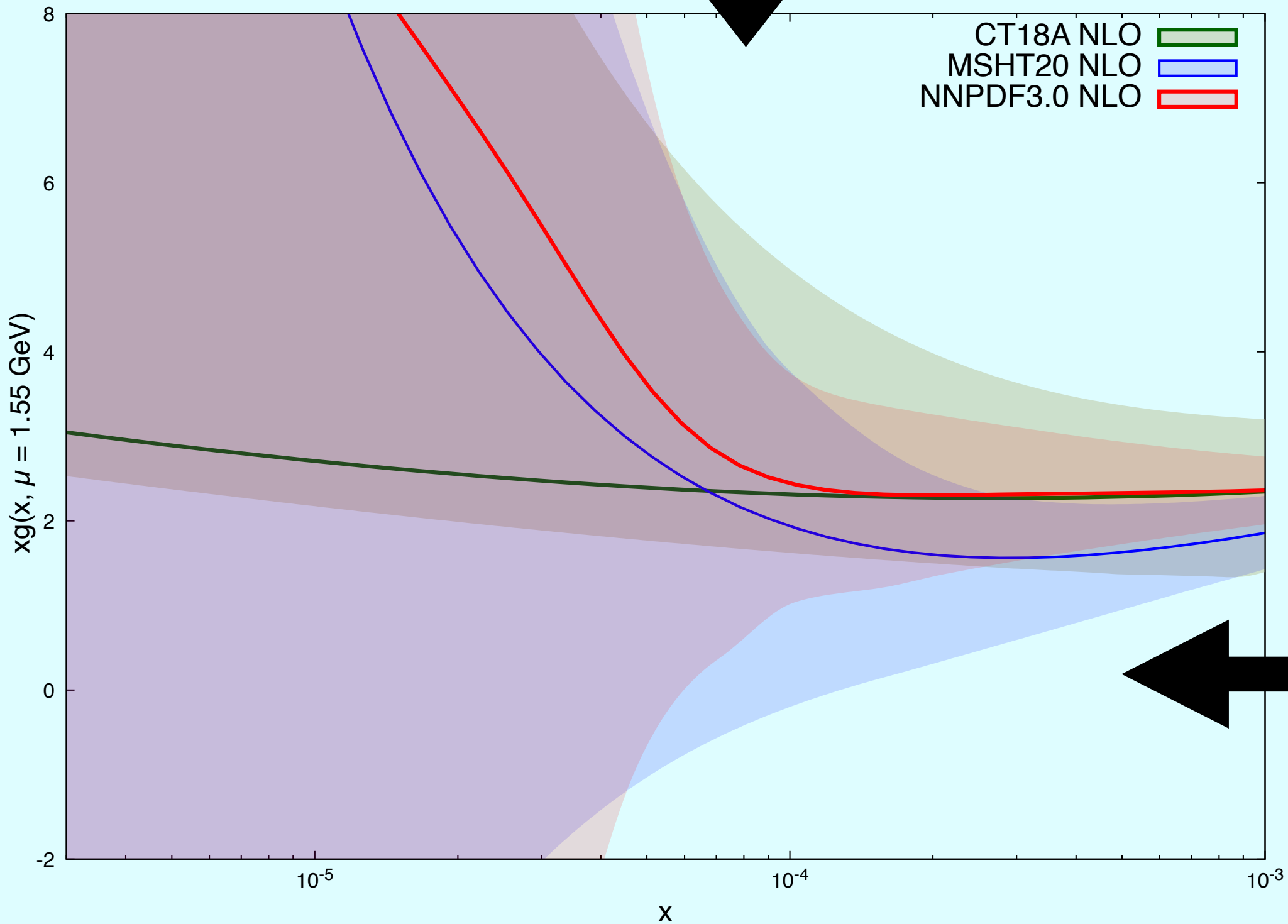
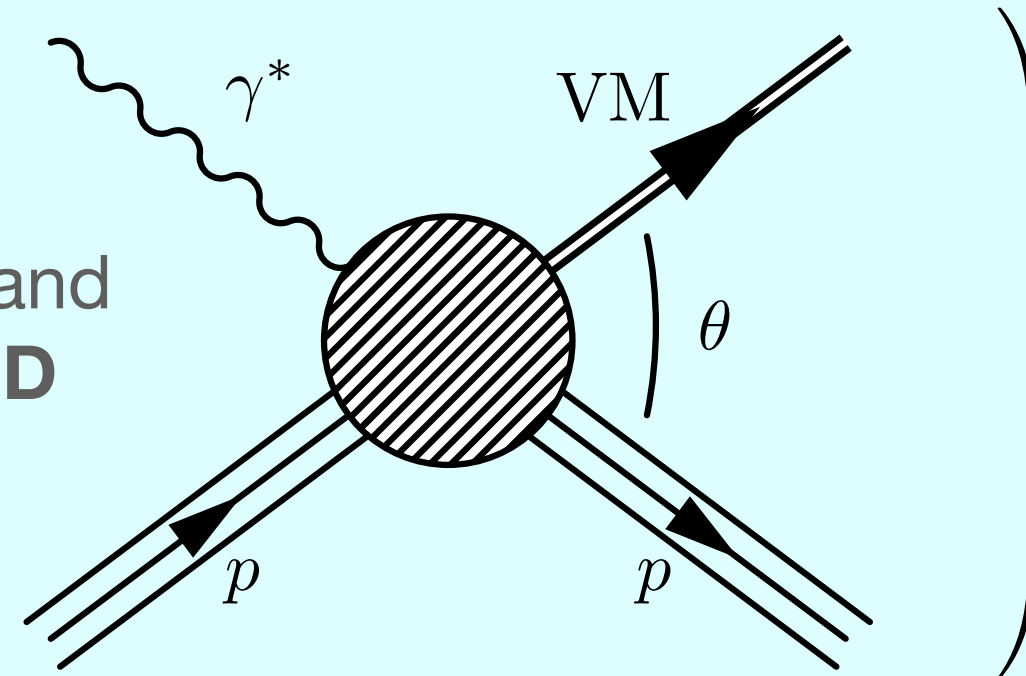
Inclusive - included in global **PDF** analyses



Exclusive - not yet included in global **PDF** analyses

e.g. heavy quarkonium production unstable and not directly sensitive to **PDF**, rather the **GPD**

- Small-x resummation
- Q_0 infrared subtraction
- Shuvaev transform



Main activities @IJCLab

- Inclusion of quarkonium production in MADGRAPH
 - Working on separate branch of the main Madgraph code to automate quarkonium production
 - > **‘event generator for quarkonia studies’**
- quarkonia production in LO collinear factorisation
- low pt quarkonia (TMD regime) focusing on colour singlet production
- If time allows, include octet too..
- In collaboration with Jean-Philippe Lansberg, Hua-Sheng Shao @LPTHE Paris and new PhD student