

## Main research areas

- jets (new algorithms, pile-up subtraction, jet-substructure, boosted studies, jetography, taggers ...). Gavin is the designer of the default jet-algorithms used at the LHC
- resummation small- $x$  and soft (e.g. event-shapes)
- discovered “non-global logs”
- non-perturbative effects
- PDF evolution code (Hoppet)
- connection to Heavy Ions (jets)
- connections to BSM (boosted studies, ColliderReach ...)
- expert on Higgs physics
- involved in world average of  $\alpha_s$  for PDG
- and much more ...



Salam,  
Gavin