The Driving Physics

behind the Proton Physics Driver

- ## Hi-x PDF's:
  - Poorly known
  - Needed for leptoquark search, d/u at x→1

- ## Nuclear Effects:
  - Remove model dependence
  - Determine scaling with A

- ## Intrinsic Heavy Quarks???
  - Do they exist???

- ## Perturbative Heavy Quarks (g →cc)
  - Matching Data to Theory

- ## Higher Twist:
  - Fear of HT ⇒ cut out lots of data
    eg., Hi x, Low Q, Low W, ...

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