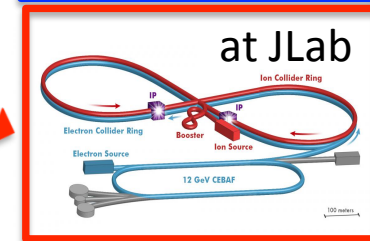
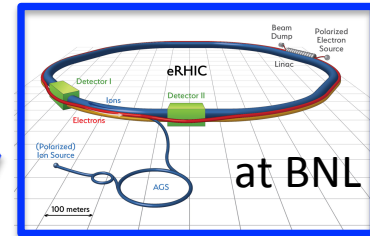
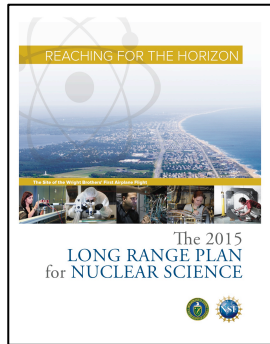
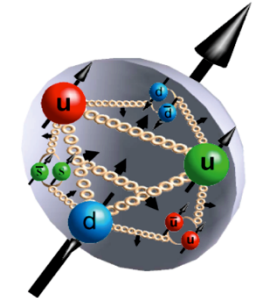
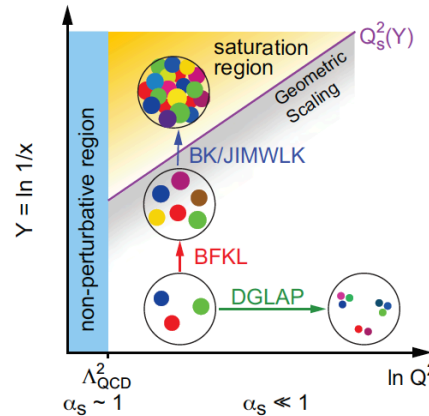
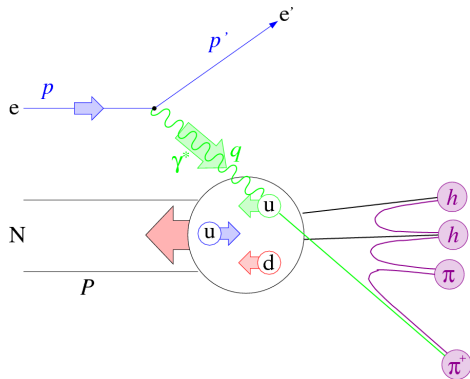


# DOE Nuclear Physics Long Range Plan highest priority new facility – Electron Ion Collider



Electron Ion Collisions at EIC      Probe nucleon/nucleus structure

Solve proton spin crisis?



- 700+ scientists from over 160 institutions globally, LANL joined the EIC user group.
- US National Academy of Science review report expected June, 2018.
- CD0 science DOE review proposed ~ end of 2018.
- To maintain the leadership in the high energy nuclear physics, **critical to have timely EIC detector R&D and new physics program developments to train the new generation physicists at LANL.**