

EIC Users Group Meeting @ ANL

Friday July 8, 2016

1:30 – 6:00 (120' + 120') Open session (Plenary or Parallel pending on need)

Emphasize possible high-level (NAS-level) science beyond the white paper

Suggest 5 presentations?

1. Proton and neutron structure at large x – Can we turn LHC's proton beams into beams of gluons? Accardi, Keppel, Melnitchouk, Park, Yoshida
2. Pion and kaon structure functions – The impact of explicit and dynamical χ SB
Horn, Reimer, Ent (+ Roberts?)
3. A comparison of pp, pA, AA and eA – Towards a collective behavior of quark and gluon fields in nuclei Guzey, Nadel-Turonski, Weiss
4. Few-body spectator tagging – Towards the quark-gluon origin of the nuclear force
Cosyn, Higinbotham, Hyde, Sargsyan
(This topic is not really included in the EIC white paper, but is included/mentioned in the section on the EIC of the 2015 NSAC Long Range Plan)
5. Jets at medium energies – understanding jets in the region of relevance for quenching and energy loss Accardi, Brooks, Diefenthaler, Furletova, Vitev
(for this topic, there may be good complementarity with one of the ~4 topics that I assume will come from Elke as possible science beyond the white paper)

I still want to ponder more about exact titles and scope. *Names are tentative*, although of course some people are already actively working on these topics. Underlined people are to indicate tentative/possible leads.