

Nuclear Lunch Questions (Fall 2021, EIC Yellow Report)

Discussion Date: Wednesday, Oct 6, 2021

1. What is Chiral Symmetry? What is its role in QCD? -- [Robert](#)
2. What is parton momentum fraction, x ? How is it measured? -- [Jaxon](#)
3. How are the protons polarized? How is the polarization maintained in the ring? -- [Justin W.](#)
4. Describe the MIT Bag model and how it is used in nuclear physics. -- [Alexandra](#)
5. What are the different parton distribution functions? How are they measured? -- [Mahesh](#)
6. What is the gluon saturation mode? How will EIC study it? -- [Joey](#)
7. What are the main general design requirements for EIC central detectors? How will ECCE try to address it? -- [Nisha](#)
8. What is quark hadronization? How will EIC study it? -- [Bradley](#)