

Geant4 simulation for IR2 far-forward region

- We have a working older model of the IR2 far-forward region implemented in Fun4All.
- We have been struggling to get the more updated IR2 model provided by the project working in Fun4All.
- Is there a working DD4Hep version of IR2?
 - If so, we may want to switch to using that since it is already working, and we won't have to maintain it ourselves going forward.
- Does Mark have a working standalone IR2 simulation?

Studies with full simulation

- We will not include any full simulation studies into the first EIC paper that we are writing.
- There are several things we can do with full simulations:
 1. See effect of adjusting magnets/apertures
 2. Check distance of medium-mass fragments from each other at Roman Pots