

TDIS Jeopardy thoughts

- Point out new event generator – Wally et al, now includes modeling of HERA “TDIS” data
 - Factor of 2 higher signal rates, don’t need to call this out, but it will help us
- Currently 23 approved PAC days – suggest ask for x3 (~60)
 - Point out a non-trivial installation, use standard run period to reduce S:N
- Of course, point to nice new designs and all the tracking, simulation, etc.
 - The above 2 points should reduce S:N substantially
 - Note in the document that this helps with the major challenge
- Also, BONUS has run!
 - Show quasi-elastics (and any possible two proton TDIS events!), check rates
 - Anyway, someone please make sure we’re not double-counting quasi-elastic rates in our simulations
- Hall A/C issue
 - Note that we could run in either, but show picture from “Hall C Futures” with SBS in Hall A downstream
 - Likely note this is preferred, as this position puts less constraints on our target/magnet configuration
- Lastly – aim for A rating!
 - Lots of new theory work (Wally, as above, Patrick,...)
 - Big program for the EIC, this will be the only thing until then (or 22 GeV) to test leveraging Sullivan process for meson structure measurements
 - Maybe add in some resonances, duality,...? to work around low Q concerns
- New rungroup experiments!!