

- We are tasked with writing a PRD including both the bump-hunt and vertexing analyses
 - PRD==no length requirements==lots of details
 - We want this to be a good reference document for future analysis papers
- We will not have any new (non-excluded) reach so want to sell this as a demonstration that the detector works as expected and that with more data we will be able to explore interesting areas

- Introduction -- John!
- Theory & experimental “landscape” -- Rouven
- Description of experiment
 - JLab beam & HallB -- Rafo (with outside help)
 - Detector overview -- Omar
 - ECal -- Rafo (maybe with outside help)
 - SVT -- PF/Omar (WE NEED A NIM!!!!)
 - Trigger system -- Rafo (with outside help)
 - Tracking & vertexing -- PF/Matt
- The 2016 dataset -- MG
 - 2016 data luminosity etc.
 - MC generation & samples
- Preliminary event selection (is there enough in common to make this a section)? Rafo/MS
- Mass resolution -- Rafo/MS
- Sample composition -- MG
- Bump-hunt analysis -- Rafo
- Vertexing analysis -- MattS
- Summary and future plans -- John

- Bump-hunt analysis breakdown -- Rafo in charge!
 - Intro -- Rafo
 - Event selection -- Rafo
 - Composition & radiative fraction -- Rafo/Cam
 - Bump-hunt fitter -- Cam
 - Scaling and limit-setting -- Cam
 - Systematics -- Rafo/Cam
 - summary/reach -- Rafo/Cam

- vertexing analysis breakdown -- Matt Solt (with support from PF)
 - Intro -- MS
 - Event selection -- MS
 - Vertexing resolution & tails -- MS
 - Composition & radiative fraction -- MS
 - Search Strategy (TBD) -- MS
 - Scaling and limit-setting (multiple of baseline XS) -- MS
 - Systematics -- PF
 - summary/reach -- MS

Timescales:

-- BH: 2 weeks unblinding (~collab meeting); 2 weeks to finalize analysis ... June 1?

-- Vertexing: next week submit to RC L1L1 "final" selection/procedure, a couple of weeks after that to unblind L1L1. L1L2: need to address hit efficiency in MC (get to in ~2 weeks)...lots of other stuff...July 1? Mid-july?

- Use overleaf to create private github repository (Omar!)
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