

SAS meeting

WEIZMANN
INSTITUTE
OF SCIENCE



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Recap

- Experimental model implementation and sync with main CAD
 - Had a meeting with Karsten et al. - need a decision about the laser beam pipe (double/single, diameter, etc.)
- PTARMIGAN simulation
 - Steady-state now (see Tom's talk from last Tuesday in the general meeting)
- GEANT4 simulation (sig and bkg): e+laser, g+laser, g+needle
 - Fast simulation (integrated with GEANT4):
 - move to LUXE geometry is much more complex: [link](#)
 - is a bit on a hold due to other commitments of Arka (if there are volunteers to help this is more than welcome)
 - Beam halo and beam-gas interaction
 - More stats with the e+laser setup with the new shielding for updating the TDR plots of the calo - Shan?
- FLUKA simulation (bkg only): e+laser (w/ and w/o magnet), g+laser
 - shown in the Sep workshop and a few weeks later by Stewart
 - followup today
- NPOD setup (geometry and simulation)
 - last status by Nicolo: [link](#)