

- Oct 13 - cleaned HD gas for Run 2 target to remove air (O_2 affects T_1 polarization lifetime)
- Oct 15 - condensed unpolarized HD; calibrated NMR response in *Production Dewar* (PD);
 - installed HARP on beamline before IBC
 - found that one of the 4 coils in the *Rogowski coil* BPM was shorted; repaired
- Oct 17 - cold 2K transfer of target to IBC with *Transfer Cryostat*

Goals for next week:

- complete simulations to optimize aperture sizes; machine apertures
- modify beamline before IBC: install beam-limiting apertures, ...
- tune NMR in IBC with HD target
(target will be cold-transferred out before the start of Run 2 (~ Oct 22nd)
and then transferred back after Raster studies)
- waiting to test new raster drivers