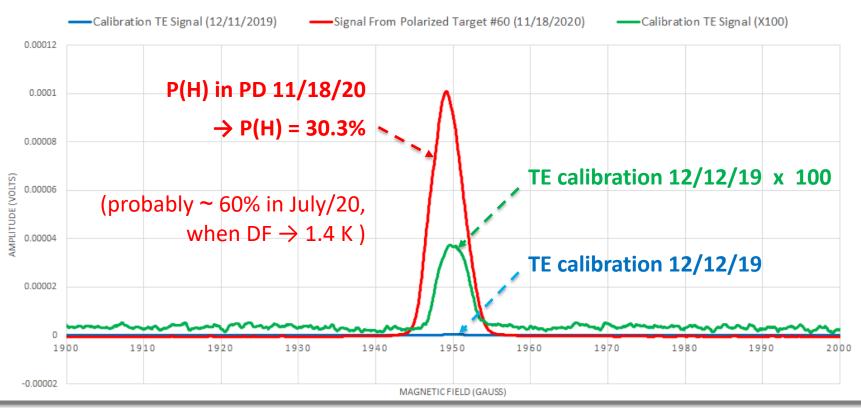


## Run 3 UITF status update - Nov 21/20

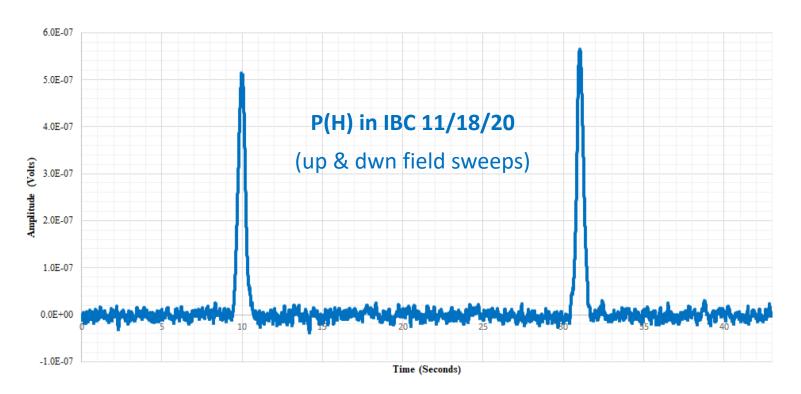
- Nov 16<sup>th</sup> IBC cooled to 66 mK; high <sup>3</sup>He/<sup>4</sup>He cooling flow mode reestablished
- Nov 18th double transfer of frozen-spin eHD60 target:
  - Oxford Dilution Fridge (DF) → Production Dewar (PD) for ref NMR





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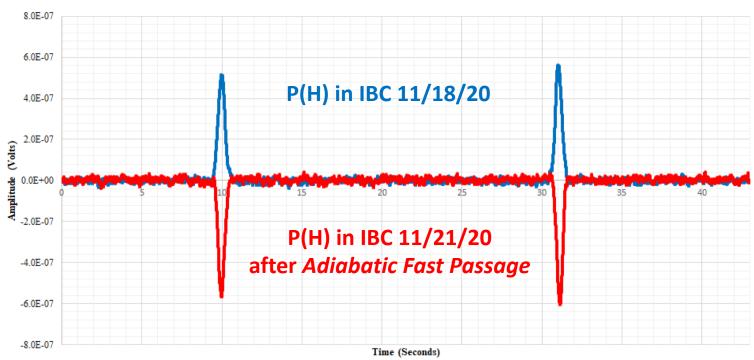


Signals for 12.3757 MHz, -50 dBm, Bc = 2907 G, 200 G Span



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  → aligns H spin with polarized atomic electrons → eliminates hyperfine mixing





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  → aligns H spin with polarized atomic electrons → eliminates hyperfine mixing
- Nov 20<sup>th</sup>: field emission prevents the UITF gun from reaching the required 200 keV
- Nov 21-22: Krypton processing to ablate high-field points;
  load & condition fresh bulk-GaAr
- → Nov 23: Tune beam for Run 3