Fermi IBS Meeting

Mar 30, 2022:

1. Action list:
   1. George V: Estimate cost of vent (exhaust) line installation at IB3A from Kelly S and Gary
      1. Check for task code
   2. ZH Sung: Status update of modified CRADA-019 (with TUAT, Japan)
      1. 3 new samples for initial attempts are under fabrication
      2. Need to clarify further fabrication
   3. X Xu: Request quote of wire-drawing with Hyper tech
2. Mono-wire fabrication:
   1. Quote ($40k) of precursor materials fabrication for 30 silver tubes (I.D: 4mm, O.D: 6mm, length: 12.5cm) has been processed.
      1. PO will be placed on Fermi system as a sole source.
      2. One silver tube would be drawing down to ~1mm diameter with 1-2 m length
   2. Fang’s suggestion: the size of wire’s final diameter with wire-drawing would be a parameter to enhance Jc (PPT uploaded)
3. Glovebox:
   1. Upload ORC (operation readiness clearance) by ZH Sung
   2. 5% (H2) – 95% (Ar) cylinder need to be stationed near the glovebox
      1. Discussed at Mar 24, 2022, with Robert J Bushek [bushek@fnal.gov](mailto:bushek@fnal.gov), James H Niehoff [niehoff@fnal.gov](mailto:niehoff@fnal.gov), Del Allspach: [allspach@fnal.gov](mailto:allspach@fnal.gov)
      2. the FEHM 6020.3 Storage & Use of Flammable Gases chapter [FESHM 6020.3 (fnal.gov)](https://esh-docdb.fnal.gov/cgi-bin/sso/RetrieveFile?docid=409&filename=FESHM%206020-3.pdf&version=7).