

Agenda items for WG01 discussion session at the LARP CM-18

1. Wire testing:
 - Is a standard holder required?
 - Is a standard criterion needed?
 - How are wires mounted on holders?
 - How to straighten XS for round holders?
 - What is a good data base format?
 - ...
 - a. LARP experience (7 minutes, Ghosh/Godeke)
 - b. CERN experience (7 minutes, TBD)
 - c. Discussion and action items (15 minutes)
2. Wire layout
 - RRP 54/61, 60/61, 108/127, 217 stack
 - PIT 192 and others: Timeframe for LARP
 - What J_c/J_e is needed?
 - What Deff is needed? Quads vs. Dipoles?
 - What is the minimum RRR?
 - Definition of 'a stable conductor': Flux jumps and J_s
 - ...
 - a. LARP conductor overview (7 minutes, TBD Dan?)
 - b. PIT conductor status (7 minutes, TBD)
 - c. Discussion and action items (15 minutes)
3. Insulation
 - Sleeve, braid on cable, tape wrap
 - S-glass, (E-glass?), Al₂O₃/SiO₂, SiO₂
 - Coatings: Plasma-sprayed, Cerakote, others
 - a. LARP: Experience so far (7 minutes, TBD)
 - b. CERN?
 - c. Discussion and action items
4. Epoxies
 - LARP needs rad-hard epoxy: What options are there?
 - What needs to be done to find options and test for radiation hardness?
 - a. BNL: Experience so far (TBD)
 - b. Discussion and action items