

Draft agenda items for cavity gradient at ILC10

20jan2010, RG

1. Gradient R&D status and future strategy and plan for TDP-2.
  - 1.1 Summary of understanding of quench using T-mapping and optical inspection.
  - 1.2. New results on field emission suppression.
  - 1.3 Summary of second-pass processing and testing.
  - 1.4 Upcoming cavities and plans for "production" and for "research".

Also we may want to give presentation opportunities to these groups that are normally not involved in our regular cavity group meeting, such as TRIUMF, IHEP and PKU.

A round table discussion might be also useful for brainstorming ideas and sharing experiences in a dynamic way.

2. Contribution to the determination of the ILC operation gradient choice.
  - 2.1 Gradient yield and scatter analysis
  - 2.2 Risk impact of operating some individual cavities at very high gradient.
  - 2.3 Cost model and impact by various yield and scatter scenarios (this should be studied together with the cavity integration group and HLRF group)