

Weekly Progress Report

WPR002
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1. To drill and tap into RF chassis for RF shield panels has been started as shown in Photo 1. About 200 holes will be drilled.



Photo 1: Work for new RF shield panels

2. I discussed with Steve about AC power distribution. He proposed new method for KEK equipments to me:

There is a transformer (11kV to 415V) at upstream of 415V 3 phase bus-bar section in MICE Hall, and we can lower the 415V voltage by changing a tap of the transformer. Instead of the huge transformer (415V to 200V) shown in "L. O. I. RF SYSTEM POWER-BLOCK DIAGRAM", we will try to lower the 415V.

However, there is a problem. It is often the case with supplied voltage that the supplied 415V may vary. For example, the measured voltage without load was 440V in 18 May 2004. On the other hand, any power supply equipments are sensitive for the input voltage. Although Yoshiro have already said to Steve that all KEK equipments allow the 415V, we must check again that the available voltage range for the equipments to continuously input which is typically $\pm 5\%$.

3. In near future, the preparation for cooling water should be asked to Duncan.