

Meeting: June 4, 2008

Attendees: Sumanta, Peter, Phil, Mei, Mike, Thomas, Larry, Yousef and Wuzheng

Mike mentioned that the NEG coating can't go too thin. Wuzheng checked the heat load due to the eddy current. Thomas commented that we should consider the operation mode as CW. Mike suggested us to switch to TiN coating(3 micrometer, low secondary electron yield as well). This can be a thinner coating and reduce the heat loading.

Yannis also reported the ps test was done in 912. They are currently testing the controls of the ps and this should be done a few weeks. They will start the power test. For this some modification of the power outlet in the bldg has to be done. Ionnis also asked when we plan to move the ps to the tunnel. This will be determined by the schedule of the DC magnets. Currently, the estimate is sometime in the fall.

Ionnis also mentioned that we need cables for controls in the tunnel(connect the klixons on the DC magnet to the ps). Mei will check with Brian to see how much this may cost. From Peter, the cables for driving the two ac dipole cost about \$7k

Phil also asked Joe Scaduto to give us the details about the water cooling in absence of Charlie. According to Joe, the first estimate is about \$45k which covers the water pipe from bldg 1010 to the two spin flippers in blue and yellow. This also includes the cost of hiring the outside contractors to do the pipes. So, for the coming year, since we only need one system, Joe thinks that we can do the water cooling for the blue flipper at a cost of about \$25k. Joe will get the detailed estimate.

Charlie gave Mei the status of DC dipole right after the meeting. According to Charlie, all the BNL DC dipoles are intact. The DC dipole has missing part is the one in SLAC. So far, it is still not known whether Fermi has the second dc dipole and the one they do have is in working order or not. Since Yousef has the contact, he will pursue the details about this. Charlie will also work with Joe on the final estimate of water cooling.

Charlie also mentioned that he is currently working on the DC dipoles and plan to take the poles off to reduce the radiation level. They will be replaced with the new pole tips.

Sumanta will make the final layout as soon as Charlie confirms with Frank Karl about the final location of the spin flipper.