1 Technical Review Comments

1. *The 2 hour estimate for Møller energy measurement may be too optimistic.*

   Response: Eugene Chudakov has informed us that the Møller measurement requires 50 minutes at 200 nA. Up to an additional hour is sometimes needed in order to facilitate beam steering, (for example, when the target is off-center). Even with the chicane in use, Eugene informs us that 2 hours should be a reasonable estimate. Also, 200 nA corresponds to 600 W of power which can be dissipated by our local beam dump.

2. *The 8 hour estimate for Septum angle change should be justified.*

   Response: We based this estimate on experience with the small angle GDH experiment (E97-110). Ed Folts has also confirmed that 8 hours is a reasonable estimate, as long as the Septa are not vacuum coupled.

3. *In the proposed beamline schematic (Fig. 14), it appears that the slow raster and first chicane dipole overlap the existing Møller apparatus.*

   Response: We apologize for the misleading schematic. In fact, the first chicane dipole is located 40 cm downstream of the Møller quadrapole, so there is no interference. We will provide a more accurate depiction of the beamline shortly.

4. *Will the chicane support structures interfere with standard operation of hall? The experiment should get approval for the proposed beamline changes from Ed Folts.*

   Response: We've discussed this with Ed, who has requested to see our updated beamline schematic before making his decision. In principle, Ed agrees that one solution may be to simply perform the chicane installation last, so that all tasks requiring the forklift or manlift are completed before the chicane is installed. A second option would be to leave the lifts on the far beamside prior to installation of the chicane. While this must be carefully planned, it does not appear to be a major impediment.