What are the desired beam destinations for the tests of the new gun and HVPS? We've discussed the 1D Spectrometer line at 200keV and 500keV and it should not be a problem. You mentioned Faraday Cup #2 as well. Here we'd need to configure machine to Mode 1 and destination to IDL0R08. That requires further considerations, as North would have to be locked up already. Finally if you actually want to deliver beam to Inline Dump IDL0R08, more considerations are needed. Let me know how far do you want to go with higher energy beam.

Regarding the prevention of the beam transport for higher keV values possible with the new HVPS, we need the following information:

1. For the 15deg dipole MDS1I01 we need estimation of the voltage level at which it's still possible to transport the beam down the beamline. Or other words at what voltage we can assume beam is lost.
2. Kicker effectiveness for the higher energy beam up to 350keV
3. For the 1D line dipole MBO0I06 we need estimation of the voltage level at which it's still possible to transport the beam down the beamline. Or other words at what voltage we can assume beam is lost. The worst case scenario would be setting the dipole to 130keV but actually transporting beam at 850keV energy. How to verify that beam is lost? You mentioned aperture, I think, or a viewer. Also for this dipole I need the winding current and magnetic field levels for the 200keV energy. It would be the best if we could establish range common for both, the 130keV as well as 200keV operation. But I could make it work with 3 ranges: 130keV, 200keV and 500keV.