Jon,

Bruce and I propose to write a page or two on surface analysis at PPPL in support of the PMI-long-pulse proposal along the following lines:

Key deliverables:

1. Li wetting vs. substrate temperature for single xtal Mo, TZM, stainless..., using scanning Auger microscopy (SAM), and

2. D uptake vs. temperature using the new ion source and temperature programmed desorption (TPD) on Li coated single xtal Mo and TZM before and with exposure to H2O, O2 etc.

3. anything else e.g. from the previous OFES materials proposals that might fit in budget...

Budget: $100k