

ESR Compton (6.10.14.01.01)

- Finalize photon calorimeter technology
 - Requires detector response simulations for different options (with backgrounds)
- Finalize electron detector location, layout, strip pitch
- Update cost estimates for electron detector (MOLLER experience)
- Preliminary design of electron detector region
- Preliminary design of laser interaction region
- More detailed description and plans for DAQ/readout

RCS Compton (6.10.14.01.02)

- Finalize photon calorimeter technology (what exists in P6 probably fine)
- Determine appropriate technology for position sensitive detector
 - Integrating mode, position sensitive detectors (quartz fiber?)
 - Will require realistic simulations of detector response
- Preliminary design of laser interaction region (probably similar to ESR Compton but need to check laser M^2)
- More detailed description and plans for DAQ/readout
 - Should be simpler than ESR Compton