

**Week 45 (November 7-13):** prepare and start proton run

- Preparation:

- Laser:

- Manufacturer visit to solve signal/noise contrast issue and tune entire system
- Align virtual line to main beamline and laser marker

- Electrons: set up high-charge beam and propagate to spectrometer
- Warm up vapor source and align Rb interferometry measurement
- Check electron/laser and laser/marker timing on streak

- Proton run:

- Diagnostics: find proton beam on all cameras, check timing, etc
- Self-modulation with protons in plasma
- Electron acceleration, and quad scan of accelerated electron beam

**Plan for week 46:** access Monday-Wednesday, then protons (no protons Wednesday before 6pm due to MD and Thursday afternoon due to HI tests)

- Giovanni Zevi Della Porta