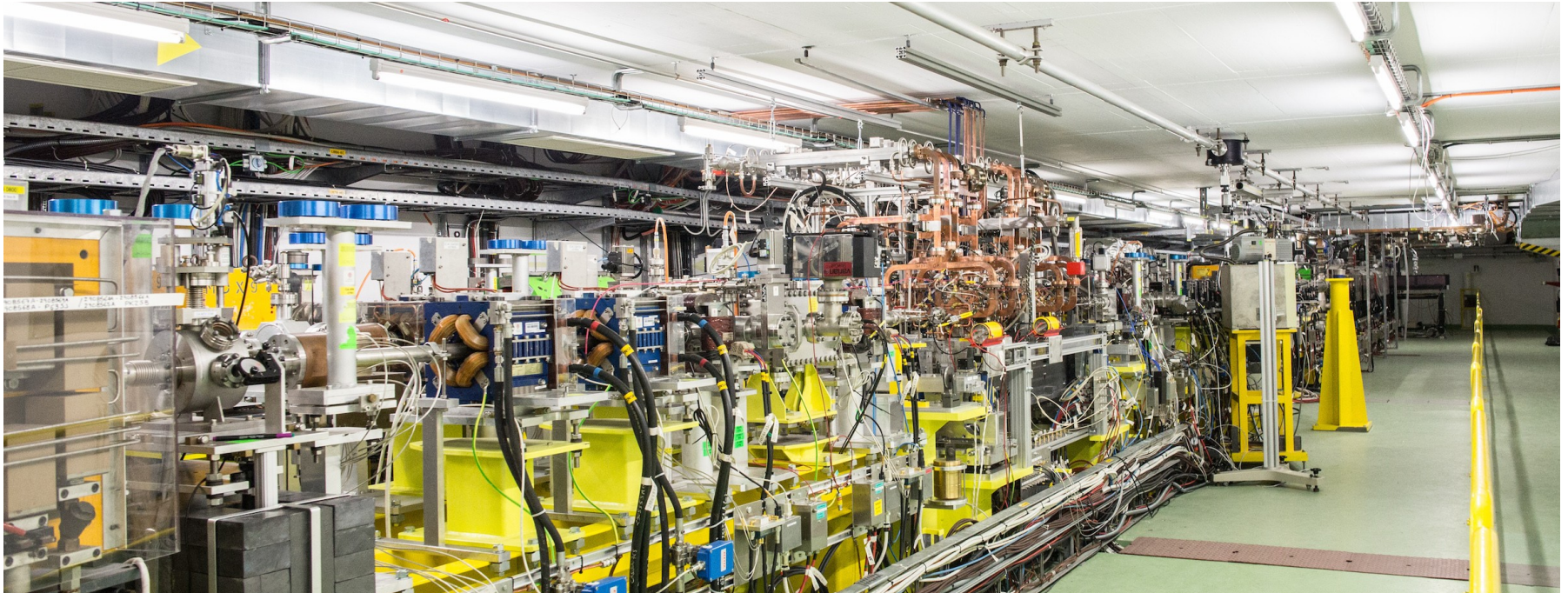


# clear



Facilities Operation Meeting  
Week 44 (31/10 – 06/11)

C. Robertson

3 experiments were envisioned for last week: Cherenkov Diffraction Radiation Bunch Length monitor, Cherenkov Diffraction Radiation Beam Position Monitor, and Fibre Dosimetry studies

Vast majority of week spend with the BPM studies. Difficulties in achieving short enough bunches on Monday - vacuum intervention carried out for installation in the evening, and laser reoptimised

Vacuum recovered overnight, Tuesday spent aligning interferometer for BLM. Brief fibre tests carried out at Vesper test stand. Streak camera utilised for bunch length measurement alongside transverse cavity

Scans for BLM continued through Wednesday, Thursday, Friday, with bunch lengths down to 0.1ps for calibration and BLM scans. Saturday spent doing the same

BLM measurements concluded on Sunday, BPM measurements carried out for the rest of the day, again with positions scans. Bunch length  $\sim 0.6$ ps

Long operation time this week Beam very stable and with few issues.

This week: group from University of Victoria carrying out colimation dosimetry studies.