

Medium Energy X-ray Absorption Spectroscopy (MEX-1 & MEX-2) Beamlines

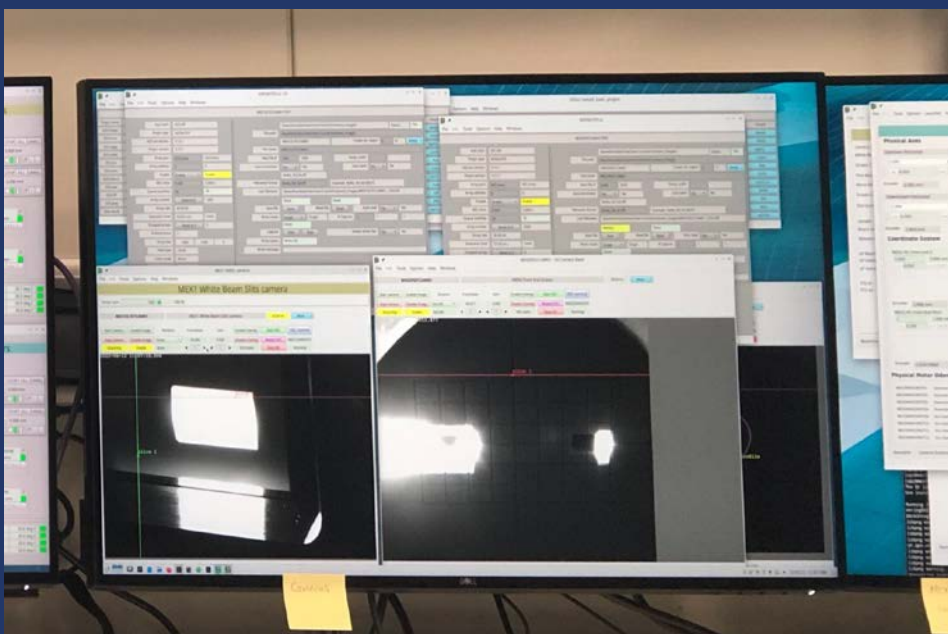
MEX-1 has achieved first light!
A significant milestone for the beamline.

At the beginning of June, ARPANSA provided approval* to finalise construction, commissioning, and use of the MEX-1 Beamline at the ANSTO Australian Synchrotron.

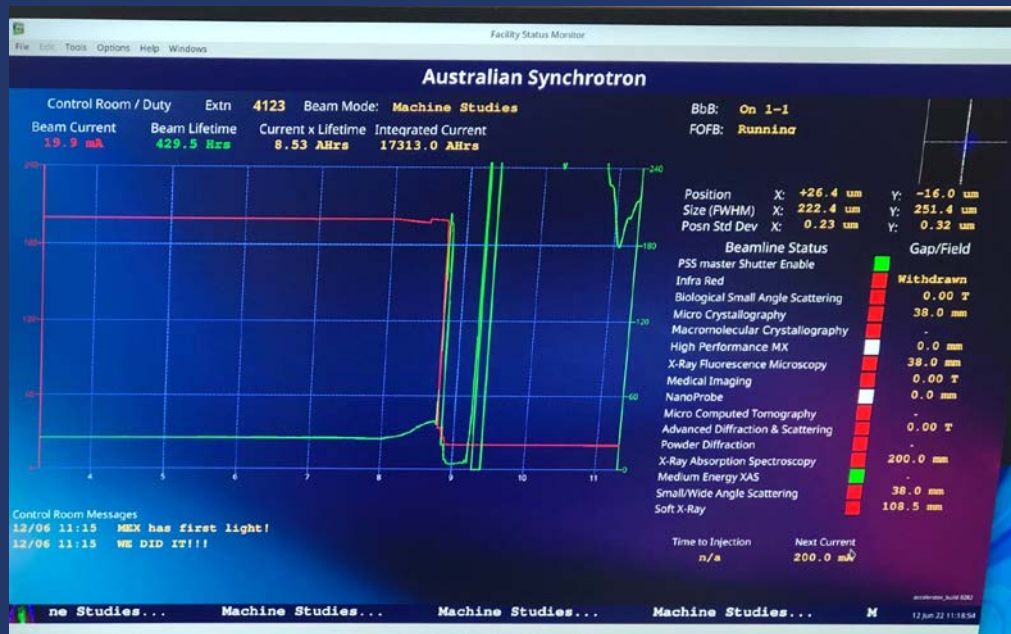
Over the June long weekend, the Front End shutter was opened and the beam was coarsely threaded through the MEX-1 mirrors and DCM into the MEX-1 Endstation. The following morning, the MEX team recorded the first transmission Copper foil XAFS spectrum with 20mA in the storage ring.

The team is delighted with the progress and indicative good quality of the initial data that was obtained. These achievements come as a result of extraordinary efforts by a large number of ANSTO staff/ contractors, and is testament to their skill and dedication.

**Subject to radiation dose requirements being met during hot commissioning.*



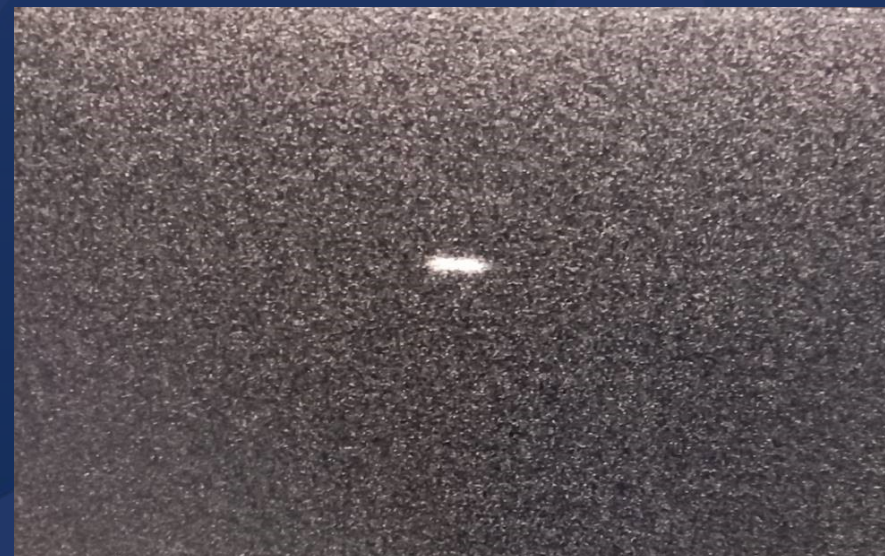
MEX user cabin monitor showing first light on the front end mask (right) and MEX1 white beam slits (left)



The Facility Status Monitor showing the MEX front end shutter open for the first time, and celebratory messages from the Control Room



MEX and XAS staff with first light on the monitor in the background



First glimpse of the monochromatic beam in the MEX-1 Experimental hutch