HB-2A pre-detector 6’ collimators successfully replaced with new 12’ collimators

During the HFIR outage engineers, technicians and instrument staff worked to replace the 44 pre-detector collimators on HB-2A.

Significant increase in measured flux

Commissioning measurements have confirmed an intensity increase of 2.6 with a signal to noise efficiency increase of 1.5.

Improvements to HB-2A

– Intensity increase and improved signal to noise will result in an increase in the efficiency and performance of HB-2A.

– Sample positioning and alignment less critical allowing better optimization of experiments.

– Faster counting times will allow more research to be conducted at HB-2A.