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MicroMAX beam conditioning unit

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A new Beam Conditioning Unit (BCU) has been developed for the MicroMAX beamline at MaxIV to condition the beam between the KB mirrors and the sample. It includes two XBPMs, a set of slits, a rotating chopper, a fast shutter and a linear attenuator, all on piezo driven stages. MicroMAX has a close collaboration with the BioMAX beamline, to simplify future work the same fastening rail system, with the same distance from rail to beam was chosen. To protect the XBPMs from oxygen but still allow for some heat transfer through convection, the chamber is filled with a low-pressure helium environment.

Footnotes

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