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## Specialized Sample Environment at BESSY II

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The sample environment activities play an increasing role in the BESSY II user service. The sample environment group, originally based at the BER II neutron source, is now fully established at BESSY II. It provides and supports various sample environment equipment for experiments at the source. In addition, it supports beam-line scientists and synchrotron users in the design, construction, commissioning, and improvement of sample environments, especially in the field temperature, pressure, and electro-magnetic-field regulation methods. We present some highlights of recent sample environment developments at HZB, i.e. for in-situ gas adsorption studies combined with SAXS, XRD and EXAFS, for future XES investigations at cryogenic temperatures, as well as dedicated sample holders for improved macromolecular crystallography, and specialized fluid cells for UHV-beamlines.

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