

GI-MS46-P04 | THE HIGH ENERGY X-RAY DIFFRACTION BEAMLINE AT THE PETRA III SYNCHROTRON LIGHT SOURCE AT DESY.

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In recent years, high-energy diffraction beamlines have become standard at new synchrotron facilities. High-energy beamlines add powerful tools for materials characterization: in situ X-ray diffraction, high resolution measurements for charge density studies, tracing phase transitions, and modulated structures at ambient and non-ambient conditions. The P24, new beamline for chemical crystallography, provides a powerful instrument for new applications, which will make use of the superior properties of PETRA III. We would like to present the development of the P24 beamline for advanced chemical and physical measurements.