



Contribution ID: 256

Type: **Poster**

The high resolution diffraction beamline P08

Tuesday, 18 September 2018 17:15 (15 minutes)

The high resolution diffraction beamline P08 at Petra III is dedicated to high resolution X-ray diffraction and scattering methods with an emphasis on studies of surfaces, interfaces and thin films. The photon energy can be set between 5.4 and 29.4 keV with a focal spot between $(20 \times 2) \mu\text{m}^2$ and $(1 \times 0.5) \text{mm}^2$.

A high precision 6-circle diffractometer for solid samples and a diffractometer for scattering from liquid surfaces and interfaces are available at the beamline.

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Session Classification: Poster session 2

Track Classification: P1 Instrumentation and methods