

MS44-2-4 Chemical crystallography at PETRA III and IV
#MS44-2-4

M. Tolkiehn¹, L. Noohinejad¹
¹DESY - Hamburg (Germany)

Abstract

P24 at PETRA III (DESY, Hamburg) is a beamline dedicated to chemical crystallography, which started user operation in 2018. It is optimized for diffraction experiments on single crystals of small molecules and gives the opportunity to study complicated structures including quasiperiodic, modulated crystals, phase transition in non-ambient conditions, charge density and in situ electrical field measurements. We present some new updates of the instrumentation of the beamline and show our plans for a new beamline at the diffraction limited storage ring PETRA IV.