

The 1st Workshop for Future Science in Next Generation Synchrotron



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Coherence application beamline P10 and the future upgrade to CAB

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The Coherent Application Beamline P10 at PETRA III is dedicated for coherent X-ray scattering and imaging experiments. P10 with two experimental hutches offers various experimental setups specialized for X-ray photon correlation spectroscopy (XPCS), Bragg CDI and holo-tomography (HT). The new Coherent Application Beamline (CAB) is planned for future 4th generation synchrotron radiation source - PETRA IV. CAB will host state-of-art XPCS and holo-tomography experiments. Increased brightness of PETRA IV will allow CAB to investigate dynamical phenomena via XPCS in previously inaccessible regions in the space and time and offer 3D holographic tomography beyond current limitations in resolution.

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