

2023 African Light Source Conference



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An overview of the Munich CLS

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The Munich Compact Light Source (MuCLS) is an inverse-Compton scattering source and consists of an electron storage ring and a passive bow-tie laser resonator. The X-ray energy varies between 15 keV and 35 keV with a flux up to $1.5 \cdot 10^{10}$ ph/s. Examples of the experiments that can be performed include dynamic in vivo respiratory imaging, propagation-based phase-contrast imaging, grating-based phase-contrast imaging, X-ray microtomography, K-edge subtraction imaging and X-ray spectroscopy.

Primary author: Prof. PFEIFFER, Franz (Technical University of Munich)

Presenter: Prof. PFEIFFER, Franz (Technical University of Munich)

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