

## Recent Progress in Construction of SMAUG Beamline at SOLARIS National Synchrotron Radiation Centre

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SMAUG is a new synchrotron beamline being built at the SOLARIS National Synchrotron Radiation Centre in Krakow. This experimental infrastructure is designed for research using the small angle X-ray scattering technique (SAXS) in the synchrotron radiation energy range from 6 to 15 keV. The construction of SMAUG beamline is a joint initiative of the Adam Mickiewicz University in Poznań and SOLARIS NSRC. In December 2024, the end station of SMAUG beamline was successfully installed, and currently operates off-line mode with laboratory X-ray sources (Cu  $K\alpha$  and Mo  $K\alpha$ ). In the current configuration, the following measurement modes are available to users: bioSAXS, standard low and high temperature SAXS/WAXS and ultra-high resolution SAXS.

Construction work is currently underway to prepare the end station for experiments with the first group of friendly users. The presentation will discuss current and planned experimental capabilities of the SMAUG beamline and the first results obtained during test experiments will be presented.

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