

## **SOLCRYS project at SOLARIS National Synchrotron Radiation Centre – current status**

Oral Presentation  
Date of presentation  
Time of presentation

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SOLARIS National Synchrotron Radiation Centre is Polish low-energy synchrotron operating at 1.5 GeV. In 2019, the SOLCRYS project was initiated at the SOLARIS National Synchrotron Radiation Centre, which includes the construction of a synchrotron beamline intended for X-ray diffraction studies and small-angle scattering of synchrotron radiation. Unfortunately, in 2022, the political situation related to Russia's aggression against Ukraine caused serious disruptions in the implementation of this project. In particular, the contract for the construction of a 4 Tesla superconducting wiggler for SOLCRYS project at Budker Institute of Nuclear Physics (Novosibirsk, Russia) was terminated. This resulted in the need to revise the design concept and adapt it to new source.

As part of the presentation, it is planned to present the current state of the SOLCRYS project, in particular the planned changes that should compensate the change in the synchrotron radiation source. New design of X-ray optics of the beamline and the updated technological parameters of end stations will also be discussed and the calculations documenting them will be presented.