



Contribution ID: 132 Contribution code: TUP22

Type: **Poster Presentation**

Designs of the first-phase beamlines for Siam Photon Source-II

Tuesday 16 September 2025 17:00 (1 hour)

Siam photon source-II (SPS-II) is a new synchrotron facility that is going to be built in Thailand. There are seven beamlines to be constructed together with the new machine. These consist of one soft X-ray beamline, two X-ray absorption beamlines, three X-ray scattering beamlines and one imaging beamline in the lineups. The designs and the selections of insertion devices, front end and beamline components will be presented together with the optical simulation results and the considerations for thermal load management using the combination of front-end components, filters, white/pink beam slits and mirrors along each beamline. New experimental station equipment and the existing equipment from the current Thai synchrotron facility (Siam Photon Source-I) that will be transferred to SPS-II will also be discussed.

Footnotes

Funding Agency

Author: EUARUKSAKUL, Chanan (Synchrotron Light Research Institute)

Presenter: EUARUKSAKUL, Chanan (Synchrotron Light Research Institute)

Session Classification: Tuesday Poster Session

Track Classification: BEAMLINES: Beamlines and Instruments