

SPS-II: Thai 3GeV machine for the future

Siam Photon Source (SPS) has been operating and providing synchrotron radiation to users for more than a decade, leading to growing user community in South East Asia region. This gives rise to higher demand of a new 3 GeV light source. The new machine, SPS-II, could provide synchrotron light with higher photon energy and higher brilliance than the existing 1.2 GeV machine. Hybrid multi-bend achromat (HMBA) lattice design providing small natural beam emittance is a promising choice. In this talk, an overview of the machine design and progress on the prototyping will be presented.

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