

Short Report on SLS 2.0 Photon BPM Workshop

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SLS 2.0 is the upgrade project of the Swiss Light Source (SLS) at the Paul Scherrer Institut in Villigen, Switzerland. It aims to reduce the natural emittance by a factor of ~ 40 by replacing the triple bend achromat with a 7-bend achromat structure. The issues of stability and reproducibility of this higher brightness and more coherent photon beam was recently addressed in an internal photon beam position monitor (BPM) workshop. Based on the present experience, a wish list for SLS 2.0 photon BPMs was composed and options for White beam and pink beam photon BPMs were discussed. This talk summarizes the (preliminary) outcome of this workshop.

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