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Performance of APS insertion devices at high photon energies (50-300 keV)

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High-energy photons (>50 keV) suit certain x-ray scattering experiments well. We present here calculated results comparing an APS undulator to an APS wiggler at high energies. The undulator calculations include the effects of magnetic field errors on high-order spectral harmonics. A comparison of APS insertion devices to high-energy insertion devices in other laboratories will also be provided.

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