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On-Axis Brilliance Tuning Curves of APPLE-II 3.3-Cm-Period Undulator versus U3.0 cm and Undulator A

To B. Lai from R. Dejus, November 21, 2007

U.S. Department of Energy

UChicago Argonne LLC

Office of Science
U.S. DEPARTMENT OF ENERGY

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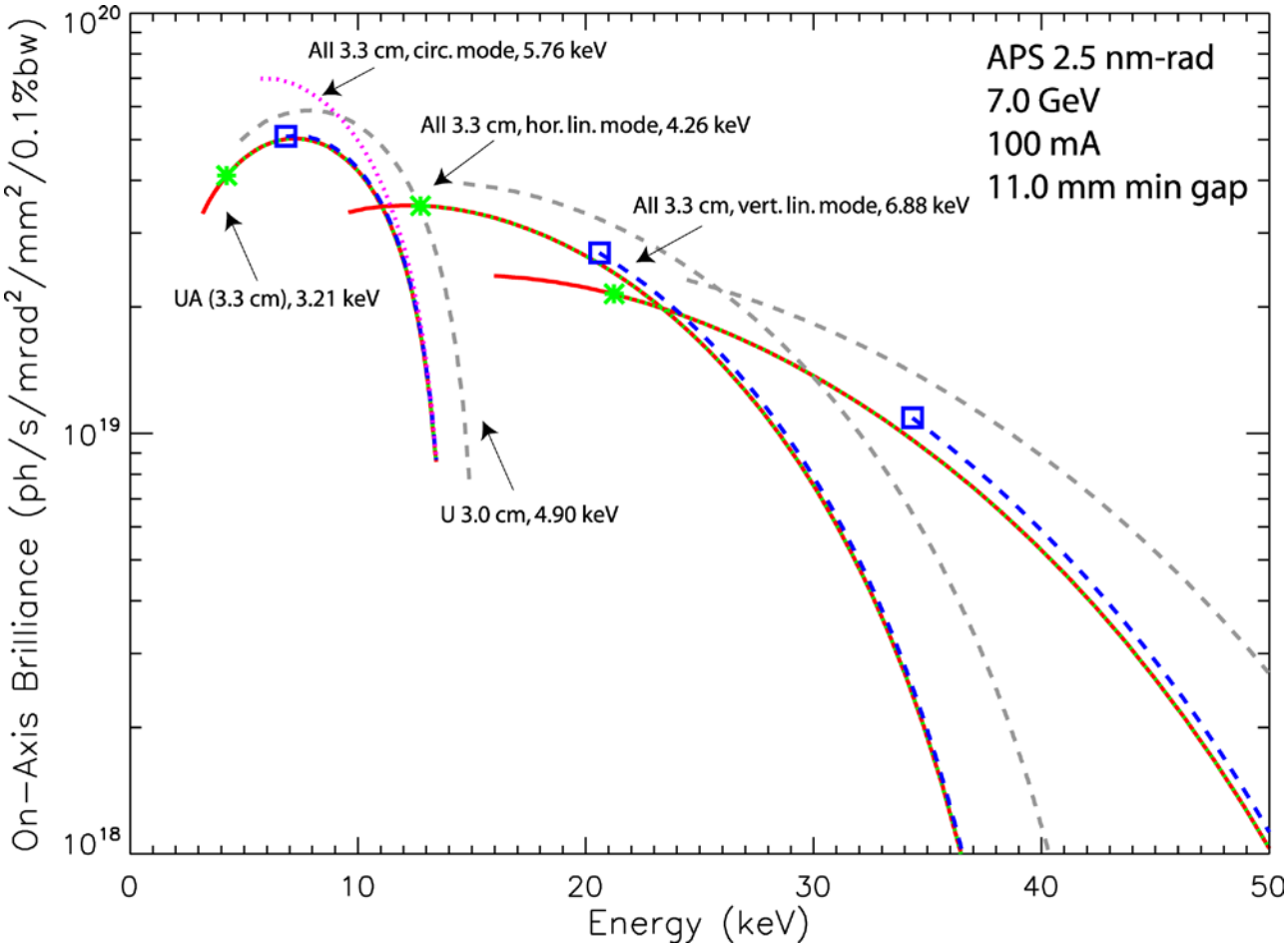
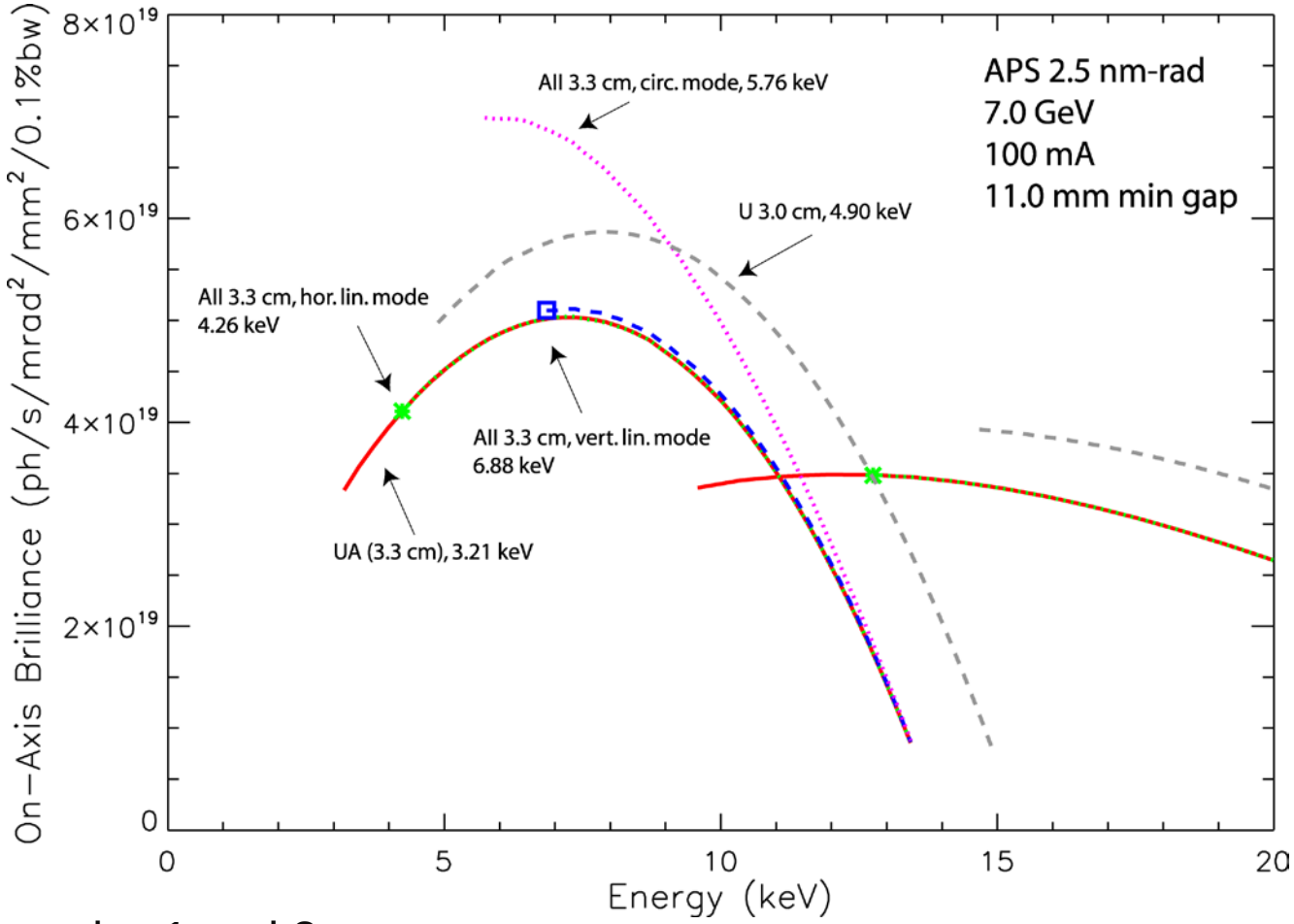
On-Axis Brilliance Tuning Curves for APPLE-II Undulator



- Harmonics 1, 3, and 5
- Minimum first harmonic energies at 11.0 mm gap are indicated

On-Axis Brilliance Tuning Curves for APPLE-II Undulator (linear scale)



- Harmonics 1 and 3
- APPLE-II provides 45% higher brilliance than Undulator A near 6 keV (circ. mode)