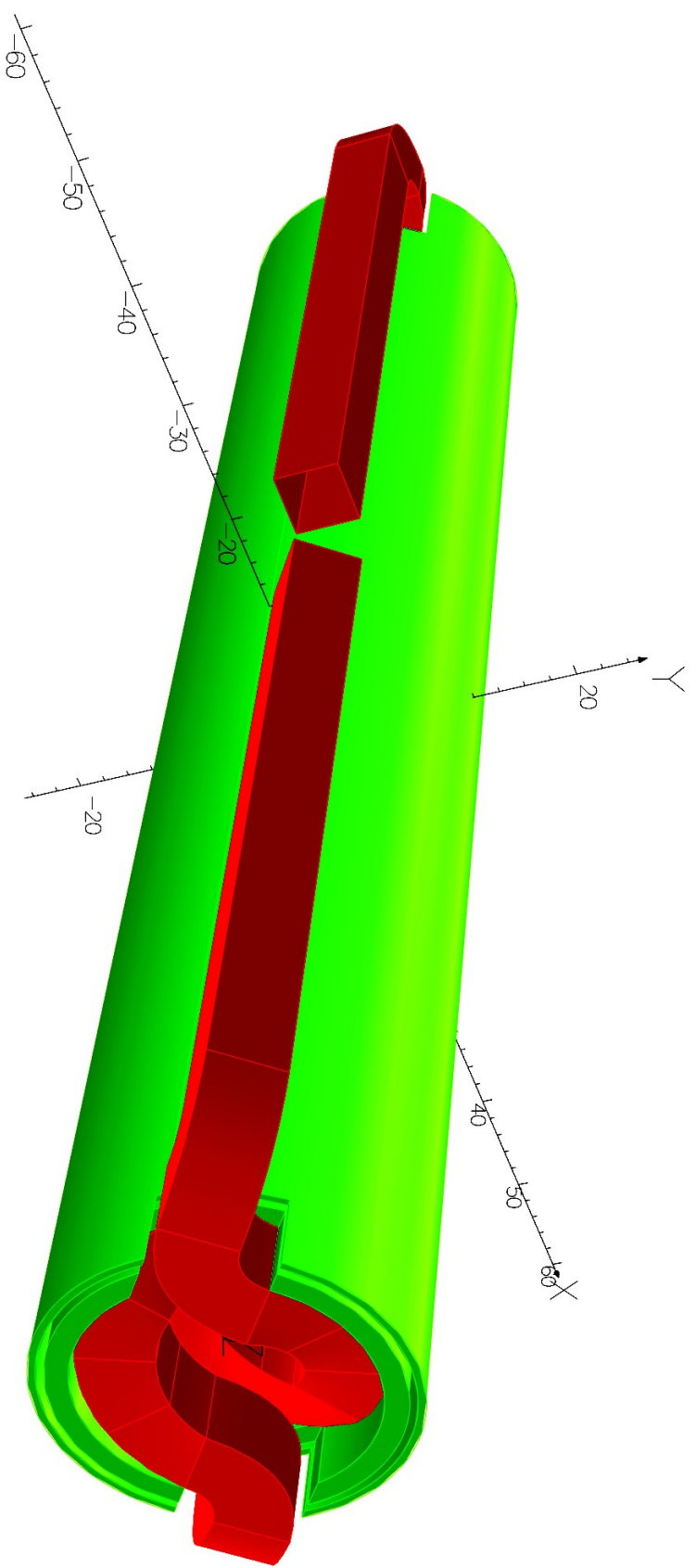
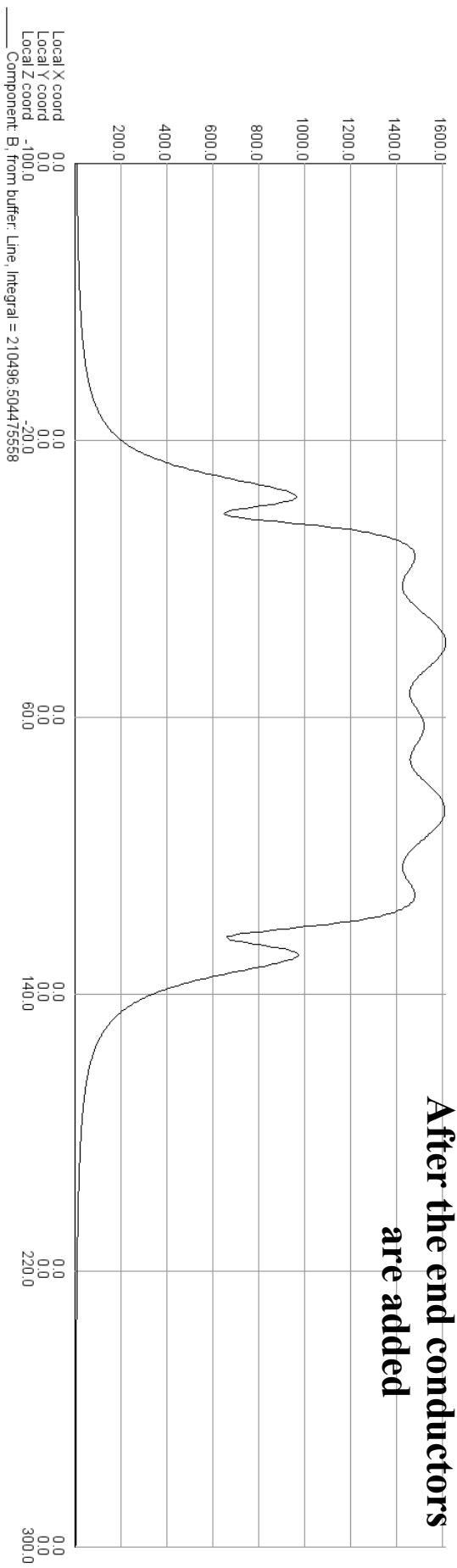


The status of the helical undulator field modeling with OPERA



On-axis transverse B-field

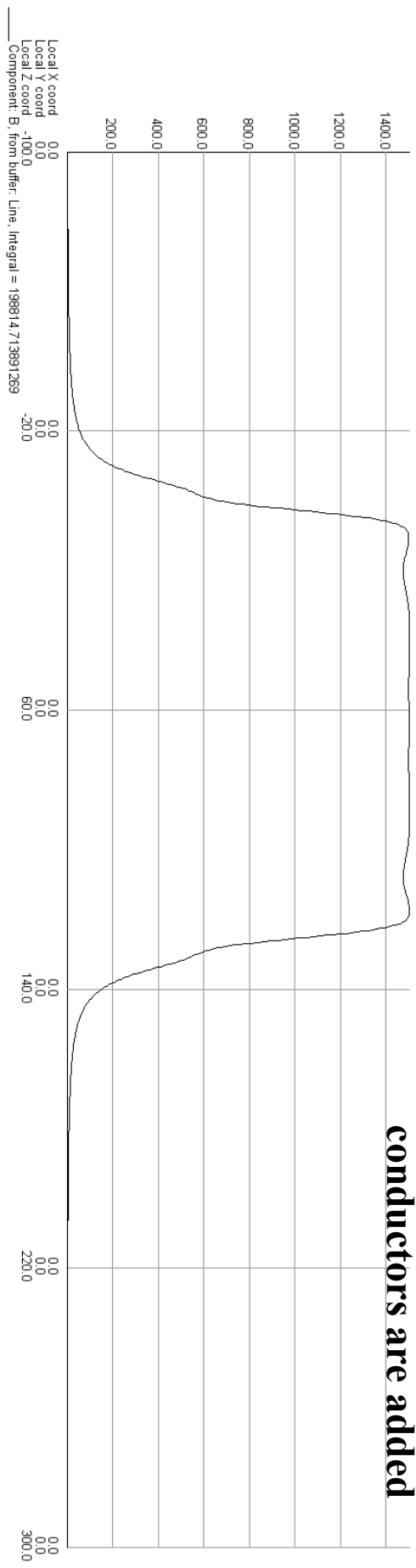
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OSC Helical Undulator file hundulator_40_908.op3



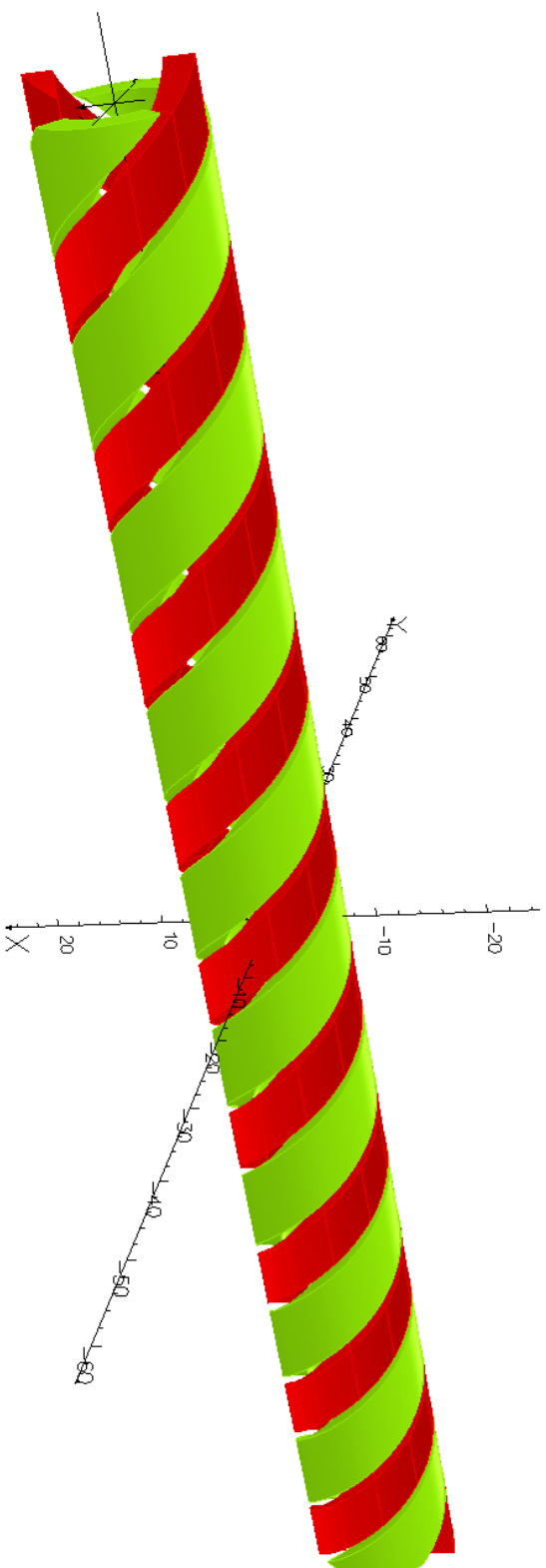
2/1/sep/2018 09:55:14



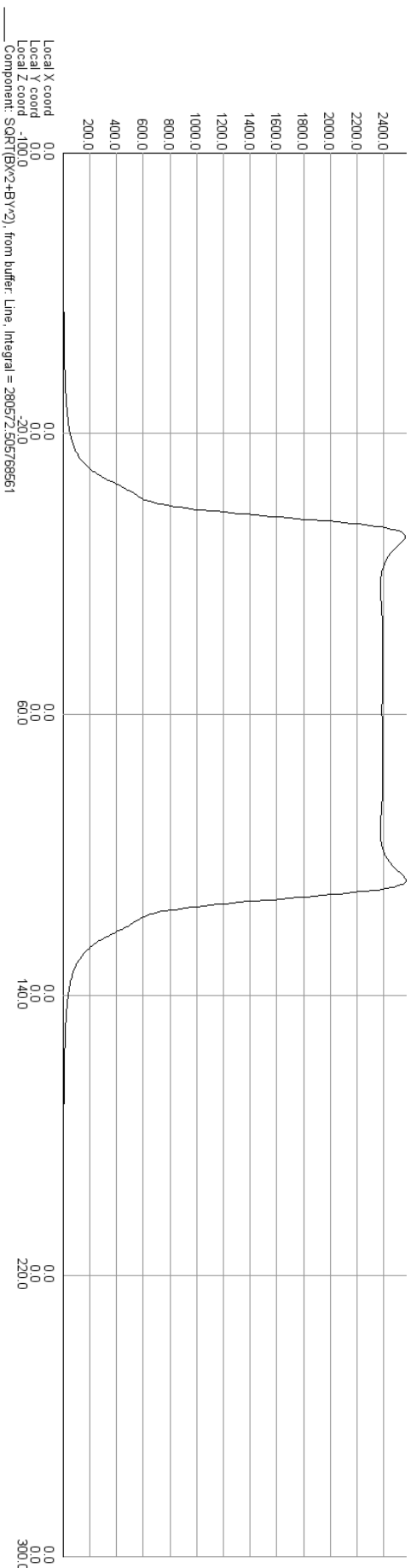
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On-axis transverse B-field



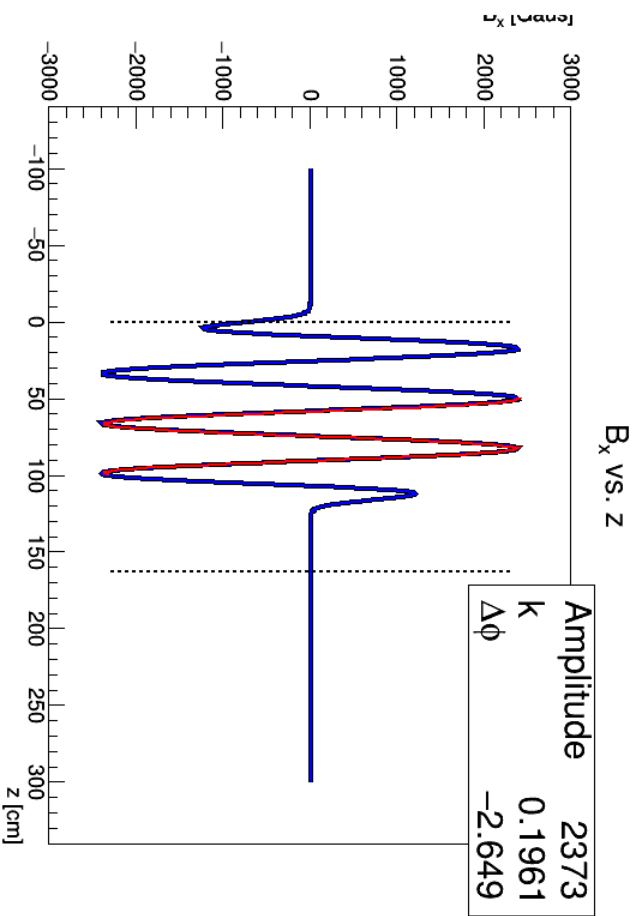
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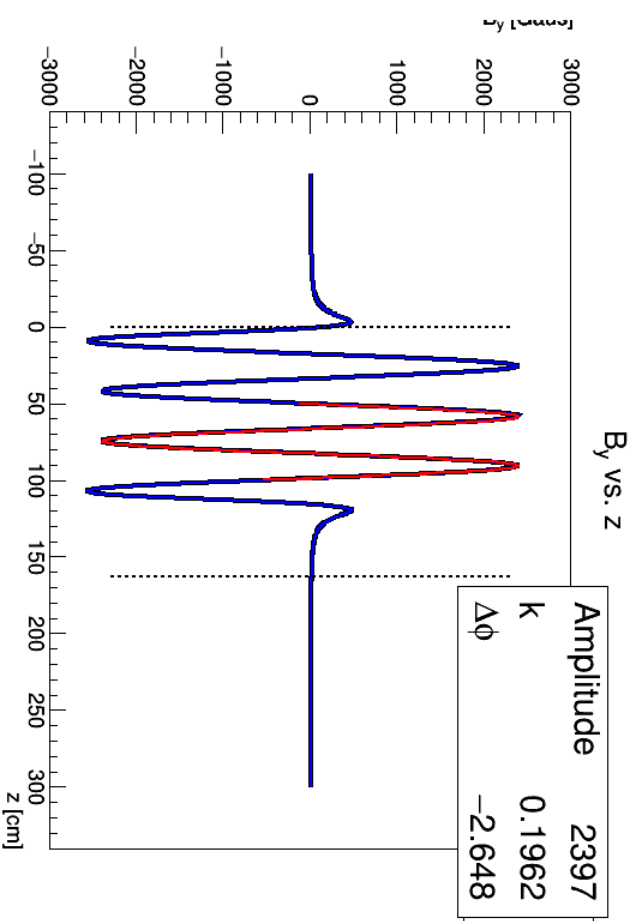
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On-axis transverse B-field

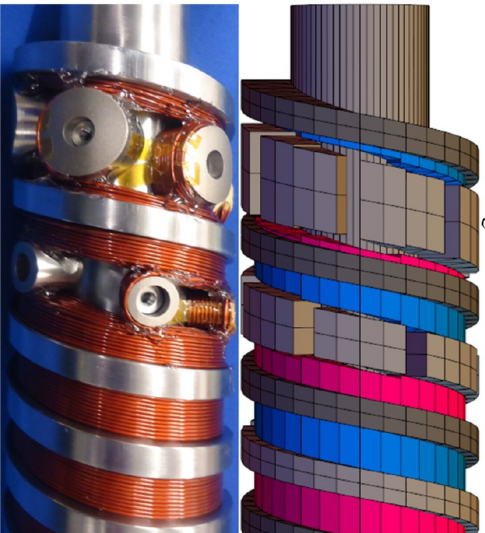
$$\text{Fit } f(z) = A \cdot \sin(kz + \Delta\phi)$$



$$\text{Fit } f(z) = A \cdot \cos(kz + \Delta\phi)$$



Back-ups



DESIGN, CONSTRUCTION, AND MAGNETIC FIELD MEASUREMENTS OF A HELICAL SUPERCONDUCTING UNDULATOR FOR THE ADVANCED PHOTON SOURCE

M.Kasa, Y. Ivanyushenkov et al

doi: 10.18429/JACoW-IPAC2018-TUPMF008

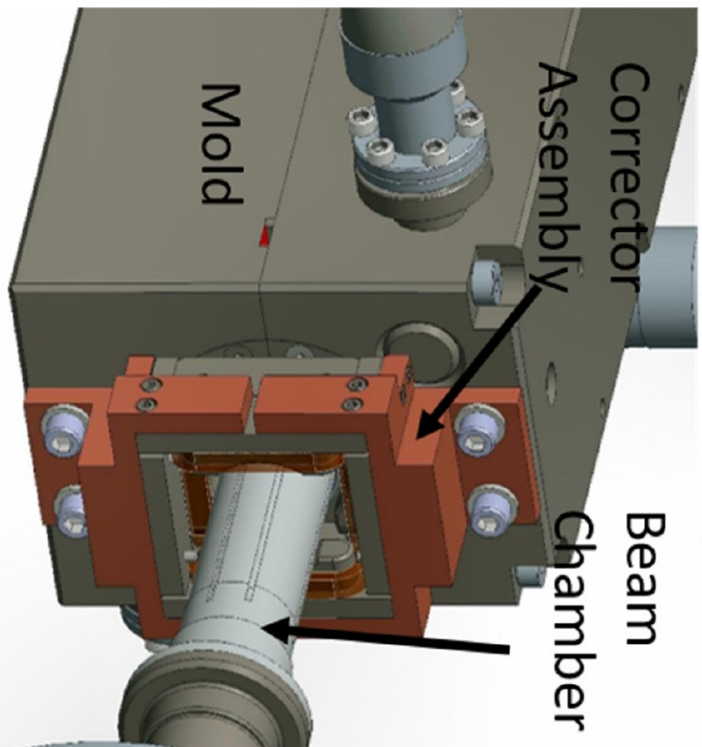


Figure 4: Final assembly of the HSCU showing the potting containing the magnet, horizontal and vertical corrector assembly, and the beam chamber.

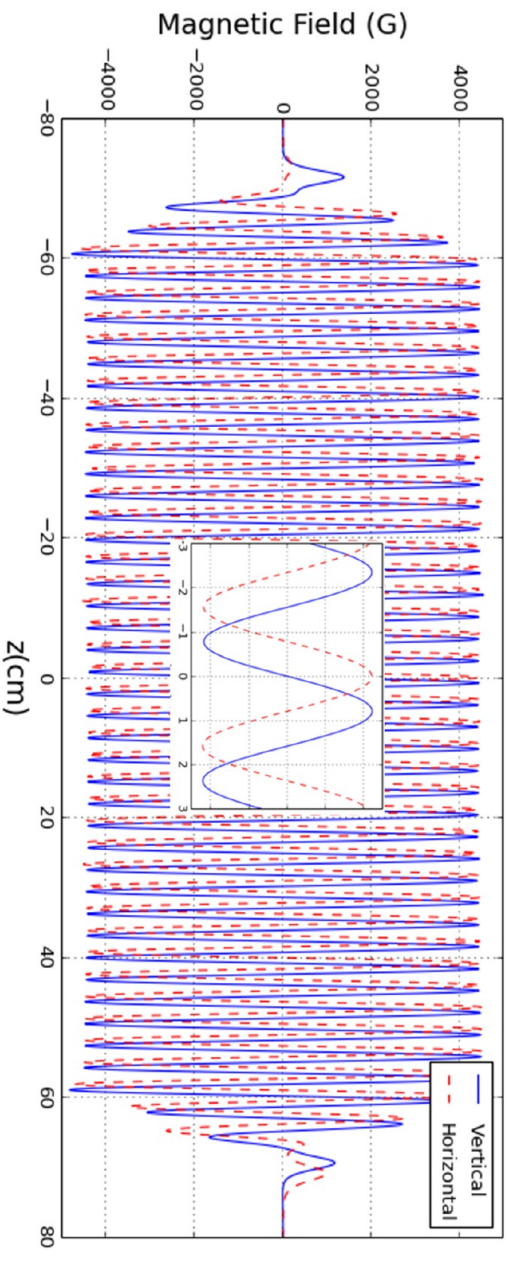
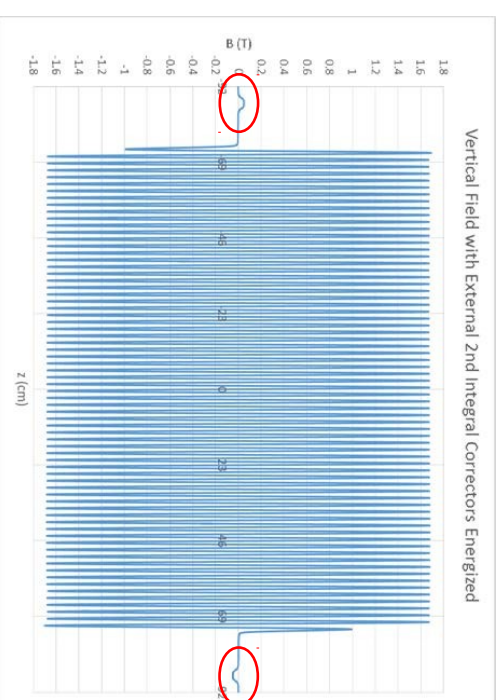
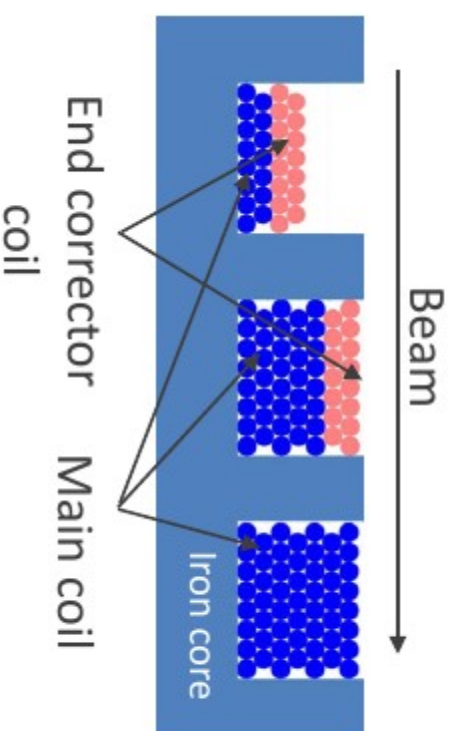
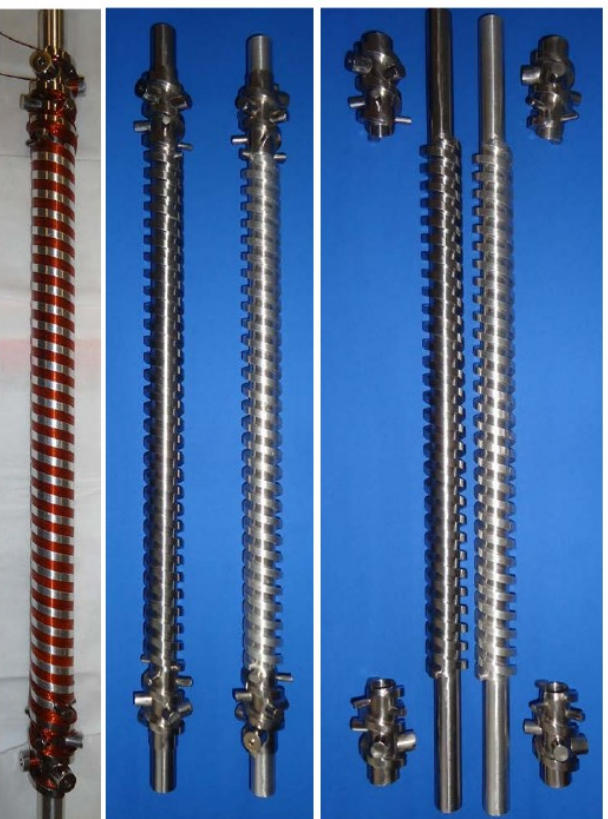


Figure 6: On-axis Hall probe field scan with the end correctors energized. The main current was set to 500 A.

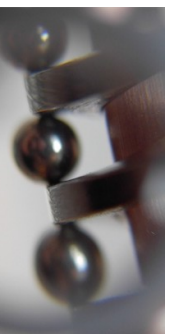
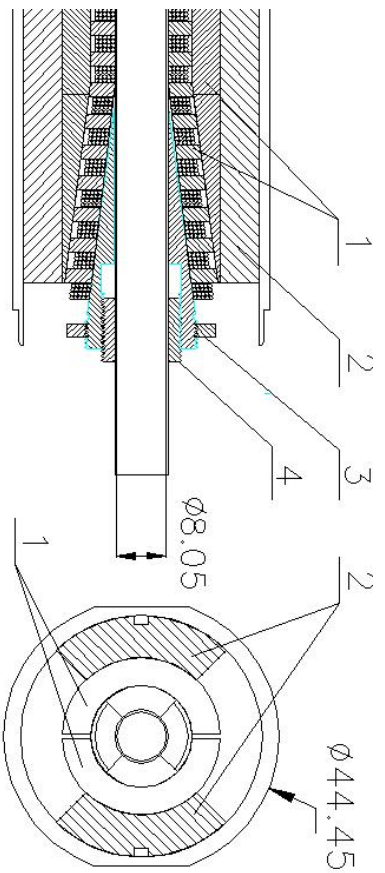
Superconducting Undulators - Magnetic Performance and Universality

Y. Ivanyushenkov



ILC UNDULATOR BASED POSITRON SOURCE, TESTS AND SIMULATIONS

Alexander A. Mikhailichenko



Period kept even



Details of design. 1—Iron yoke, 2—Copper collar, 3, 4—trimming Iron nuts. Inner diameter of Copper vacuum chamber is 8mm clear.

