Kyma Analysis Report

Name : 1991b Date : 24. feb 2020 Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz59,Bx59,Izmes21,Ixmes21

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : -1 Peak Field Bx: 0.00403 T RMS Phase Error : 5.52 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 18.5 % Fund. En. (B2E) : 2360.3 eV = 0.5 nm

Peak Field Bz: 0.55230 T Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.1 % Peaks used : 102

e-beam energy : 3 GeV Bx Taper : 3.403 G/m Bz Taper : -5.386 G/m

Krms : 0.802

V Dipole : -0.5 G cm Iz(coil) : -0.7 G cm Pred. C.C. currents

V Quadrupole : 27.6 G Iz(BzC): -0.6 Gcm Iz(Bz) : 35.6 G cm I1 : 0.6226 A

V Sextupole : -40.7 G/cm Ix(coil) : -0.6 G cm I2 : -1.1486 A

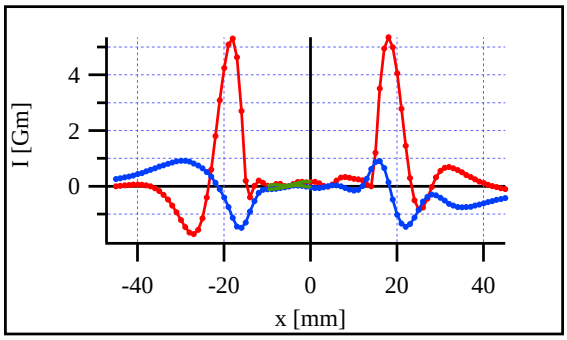
Ix(BxC) : -0.6 Gcm Ix(Bx) : 874.6 G cm

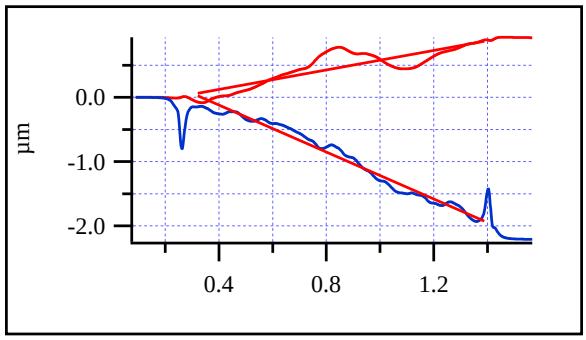
H Dipole : 4.1 G cm IIx(sBx) : 0.0973 G m^2 I3 : -0.5334 A

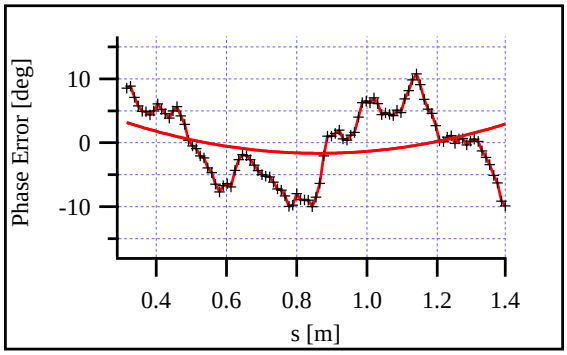
H Quadrupole : 20.0 G IIz(sBz): -0.2162 G m^2 I4 : 1.1307 A

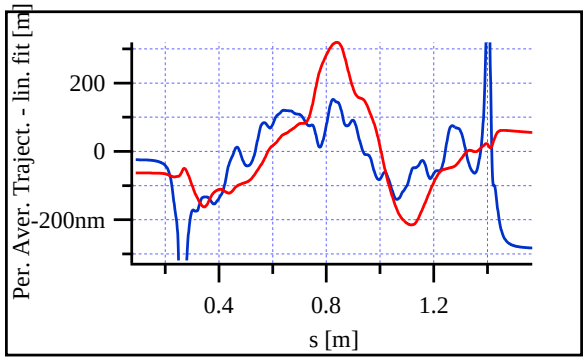
H Sextupole : 101.1 G/cm BzTrj RMS dev. : 0.1 um

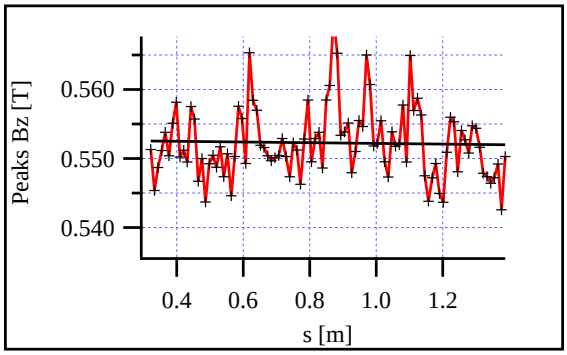
BxTrj RMS dev. : 0.1 um

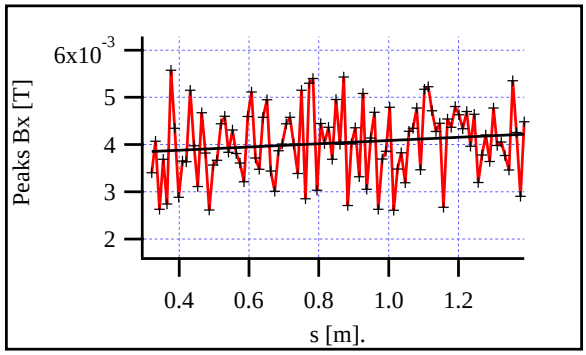












Kyma Srl
S.S. 14 km 163,5 in Area Science Park – IT-34149 Trieste, Italy - VAT no.: IT-01131640326
Voice: +39.040.375.8796 – Fax: +39.040.375.8029 – E-mail: info@kyma-undulators.eu – web: www.kyma-undulators.eu