Kyma Analysis Report

Name : 1991d Date : 8. maj 2020 Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz155,Bx155,Izmes35,Ixmes35

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : 0 Peak Field Bx: 0.01579 T RMS Phase Error : 3.03 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 7.6 % Fund. En. (B2E) : 2302.7 eV = 0.5 nm

Peak Field Bz: 0.56982 T Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.1 % Peaks used : 102

e-beam energy : 3 GeV Bx Taper : -4.519 G/m Bz Taper : 2.141 G/m

Krms : 0.828

V Dipole : -12.6 G cm Iz(coil) : -13.1 G cm Pred. C.C. currents

V Quadrupole : -15.0 G Iz(BzC): -13.1 Gcm Iz(Bz) : 69.0 G cm I1 : -0.1815 A

V Sextupole : 2.0 G/cm Ix(coil) : -8.4 G cm I2 : -1.6350 A

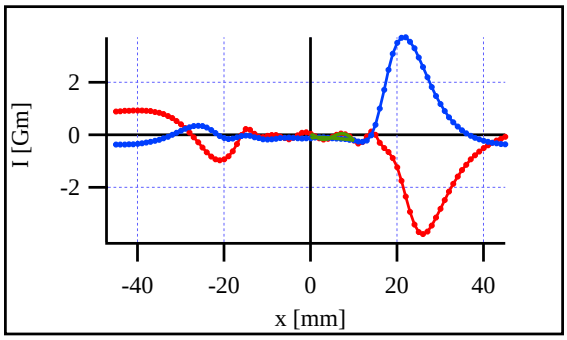
Ix(BxC) : -8.4 Gcm Ix(Bx) : 823.9 G cm

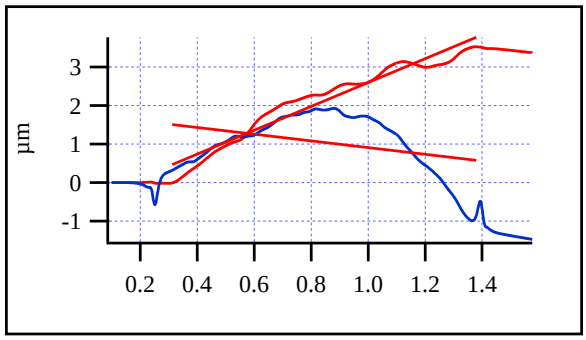
H Dipole : -8.1 G cm IIx(sBx) : 0.4003 G m^2 I3 : 1.7346 A

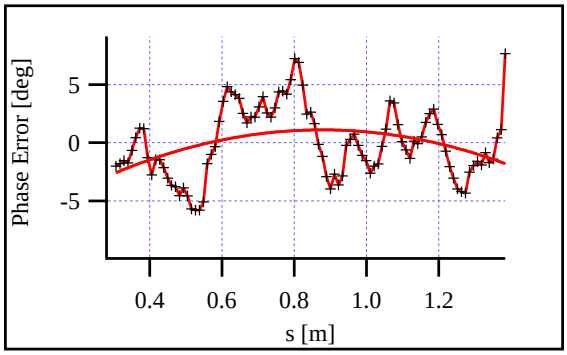
H Quadrupole : 80.4 G IIz(sBz): -0.0497 G m^2 I4 : 1.0700 A

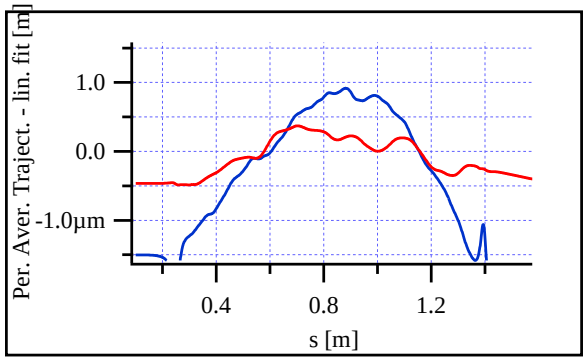
H Sextupole : 42.8 G/cm BzTrj RMS dev. : 0.7 um

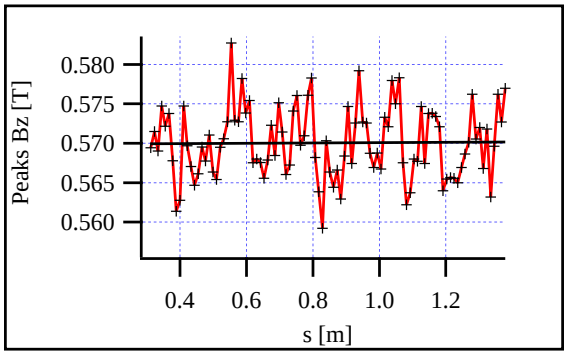
BxTrj RMS dev. : 0.2 um

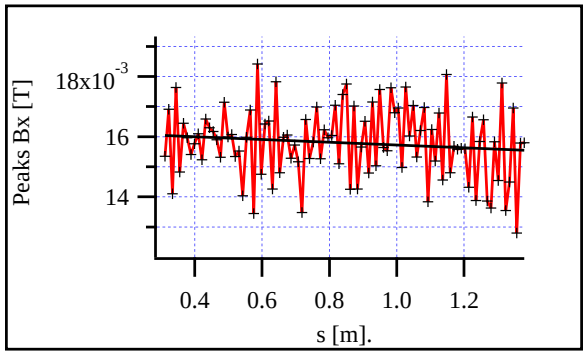












Kyma Srl
S.S. 14 km 163,5 in Area Science Park – IT-34149 Trieste, Italy - VAT no.: IT-01131640326
Voice: +39.040.375.8796 – Fax: +39.040.375.8029 – E-mail: info@kyma-undulators.eu – web: www.kyma-undulators.eu