Kyma Analysis Report

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

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz165,Bx165,Izmes45,Ixmes45

Gap [mm] : 200

Phase [mm] : 10 Hall Z [mm] : 0 Peak Field Bx: 0.02075 T RMS Phase Error : 2.30 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 5.5 % Fund. En. (B2E) : 3593.7 eV = 0.3 nm

Peak Field Bz: 0.19194 T Radiation wavelength (lin. fit): 0.3 nm

Undulator Period : 22.01+-0.09 mm Delta Bz/Bz : 5.0 % Peaks used : 103

e-beam energy : 3 GeV Bx Taper : -4.374 G/m Bz Taper : 3.294 G/m

Krms : 0.281

V Dipole : -10.6 G cm Iz(coil) : -10.8 G cm Pred. C.C. currents

V Quadrupole : -18.0 G Iz(BzC): -10.8 Gcm Iz(Bz) : 21.7 G cm I1 : -0.2138 A

V Sextupole : -2.5 G/cm Ix(coil) : -11.1 G cm I2 : -1.5904 A

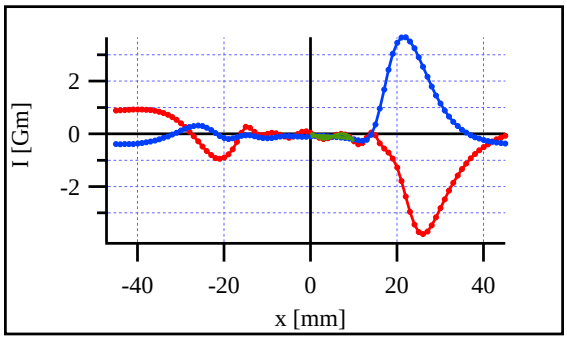
Ix(BxC) : -11.1 Gcm Ix(Bx) : 284.0 G cm

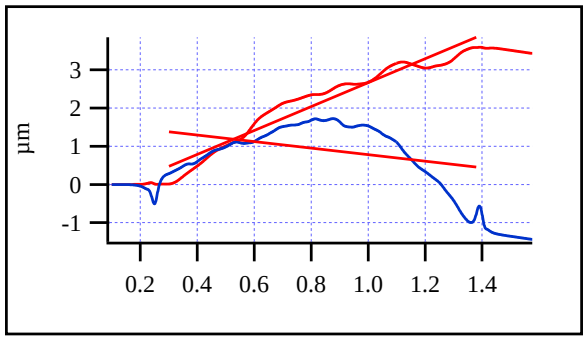
H Dipole : -10.8 G cm IIx(sBx) : 0.4257 G m^2 I3 : 1.7423 A

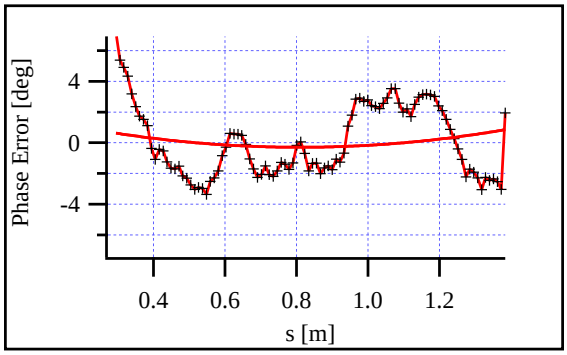
H Quadrupole : 73.8 G IIz(sBz): -0.0631 G m^2 I4 : 1.3679 A

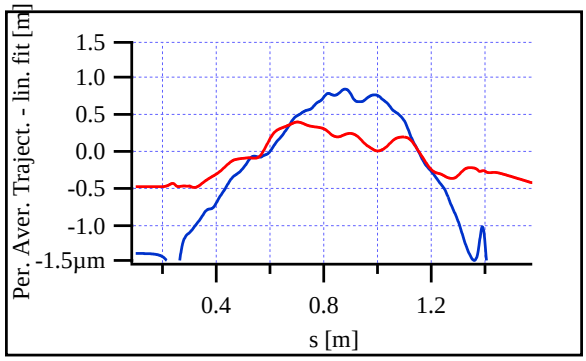
H Sextupole : 39.8 G/cm BzTrj RMS dev. : 0.7 um

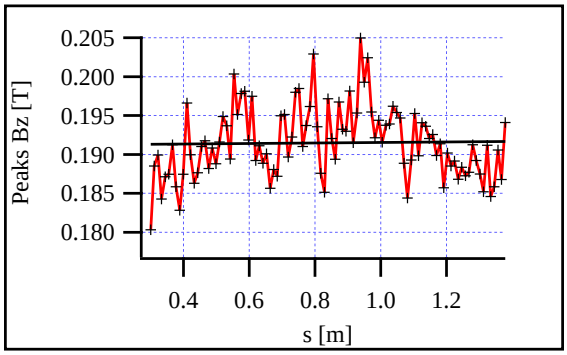
BxTrj RMS dev. : 0.3 um

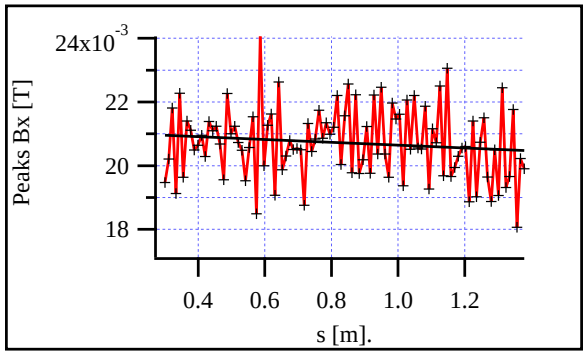












Kyma Srl
S.S. 14 km 163,5 in Area Science Park – IT-34149 Trieste, Italy - VAT no.: IT-01131640326
Voice: +39.040.375.8796 – Fax: +39.040.375.8029 – E-mail: info@kyma-undulators.eu – web: www.kyma-undulators.eu