Kyma Analysis Report

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

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz189,Bx189,Izmes45,Ixmes45

Gap [mm] : 200

Phase [mm] : 10 Hall Z [mm] : 0 Peak Field Bx: 0.00936 T RMS Phase Error : 3.20 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 8.9 % Fund. En. (B2E) : 3607.1 eV = 0.3 nm

Peak Field Bz: 0.19003 T Radiation wavelength (lin. fit): 0.3 nm

Undulator Period : 22.01+-0.09 mm Delta Bz/Bz : 5.1 % Peaks used : 103

e-beam energy : 3 GeV Bx Taper : -2.587 G/m Bz Taper : -1.234 G/m

Krms : 0.277

V Dipole : -9.8 G cm Iz(coil) : -10.3 G cm Pred. C.C. currents

V Quadrupole : 17.8 G Iz(BzC): -10.3 Gcm Iz(Bz) : 19.5 G cm I1 : 0.1672 A

V Sextupole : 16.5 G/cm Ix(coil) : 3.3 G cm I2 : -1.0995 A

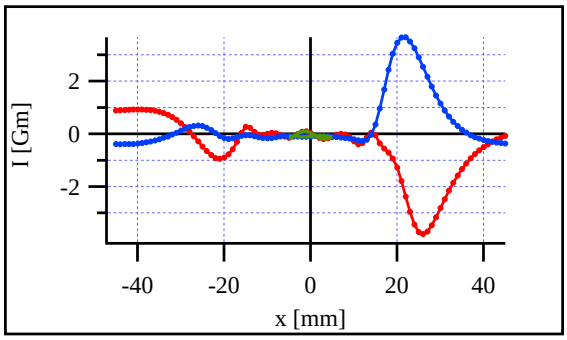
Ix(BxC) : 3.3 Gcm Ix(Bx) : 332.3 G cm

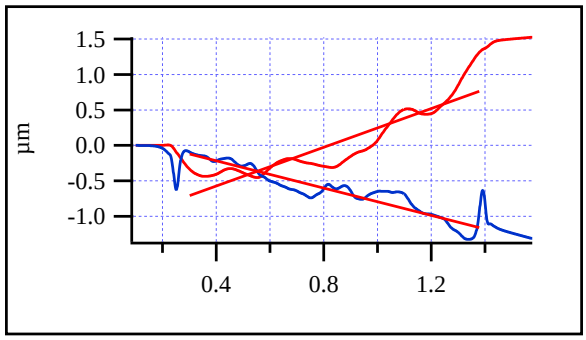
H Dipole : 3.2 G cm IIx(sBx) : 0.1283 G m^2 I3 : 0.4744 A

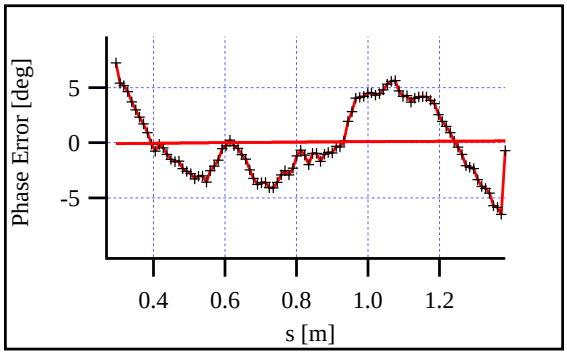
H Quadrupole : -83.6 G IIz(sBz): -0.0545 G m^2 I4 : 0.0739 A

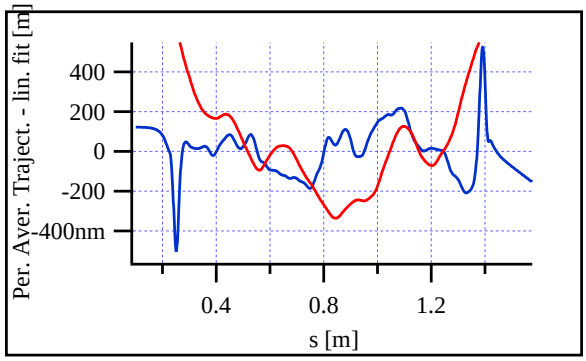
H Sextupole : -183.4 G/cm BzTrj RMS dev. : 0.1 um

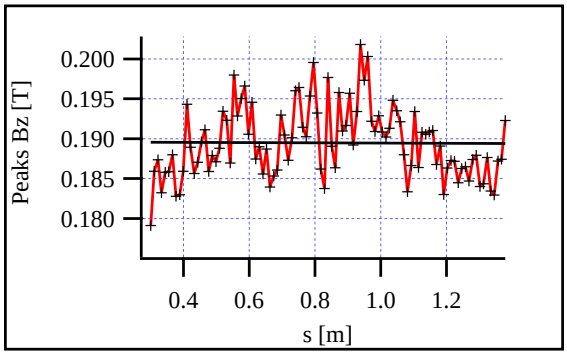
BxTrj RMS dev. : 0.2 um

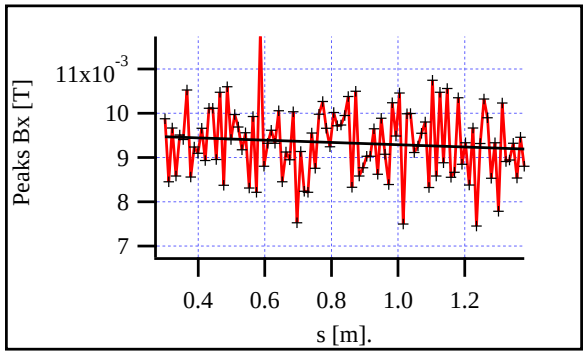












Kyma Srl
S.S. 14 km 163,5 in Area Science Park – IT-34149 Trieste, Italy - VAT no.: IT-01131640326
Voice: +39.040.375.8796 – Fax: +39.040.375.8029 – E-mail: info@kyma-undulators.eu – web: www.kyma-undulators.eu