Kyma Analysis Report

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

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz277,Bx277,Izmes61,Ixmes61

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : 1 Peak Field Bx: 0.01253 T RMS Phase Error : 4.11 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 9.4 % Fund. En. (B2E) : 2603.1 eV = 0.5 nm

Peak Field Bz: 0.48032 T Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.1 % Peaks used : 101

e-beam energy : 3 GeV Bx Taper : -4.463 G/m Bz Taper : 6.027 G/m

Krms : 0.698

V Dipole : -14.3 G cm Iz(coil) : -14.9 G cm Pred. C.C. currents

V Quadrupole : -31.8 G Iz(BzC): -14.9 Gcm Iz(Bz) : 53.6 G cm I1 : 0.2074 A

V Sextupole : 100.7 G/cm Ix(coil) : -7.5 G cm I2 : -1.9717 A

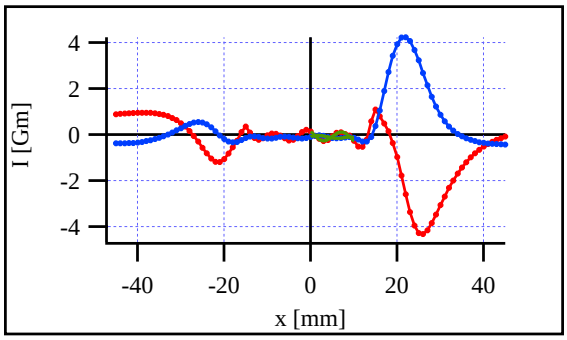
Ix(BxC) : -7.5 Gcm Ix(Bx) : 855.8 G cm

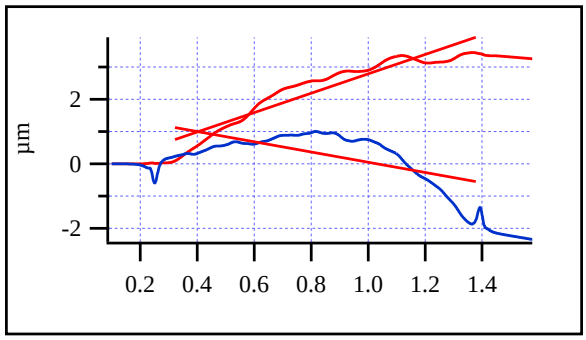
H Dipole : -8.8 G cm IIx(sBx) : 0.3824 G m^2 I3 : 1.4428 A

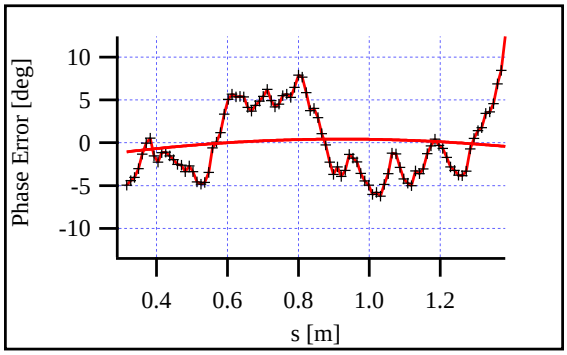
H Quadrupole : 143.1 G IIz(sBz): -0.1223 G m^2 I4 : 1.2072 A

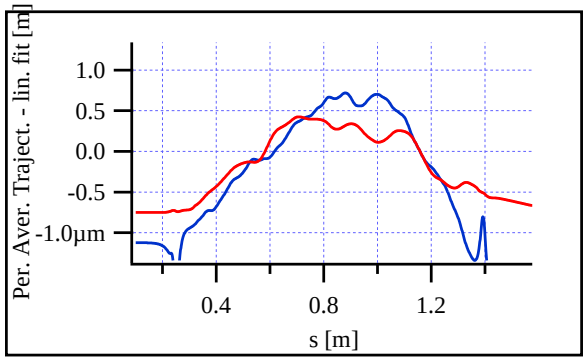
H Sextupole : 22.2 G/cm BzTrj RMS dev. : 0.6 um

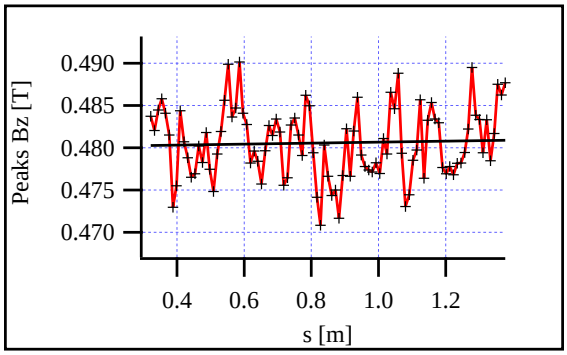
BxTrj RMS dev. : 0.3 um

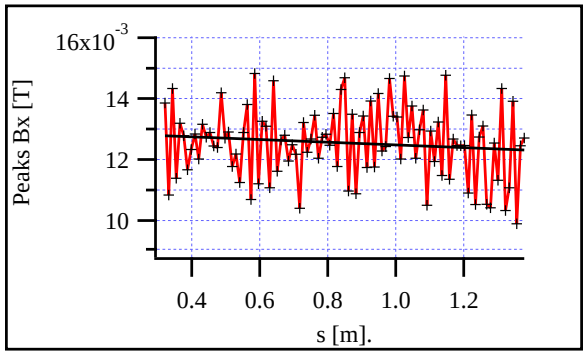












Kyma Srl
S.S. 14 km 163,5 in Area Science Park – IT-34149 Trieste, Italy - VAT no.: IT-01131640326
Voice: +39.040.375.8796 – Fax: +39.040.375.8029 – E-mail: info@kyma-undulators.eu – web: www.kyma-undulators.eu