

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz115,Bx115,Izmes37,Ixmes37

Gap [mm] : 200

Phase [mm] : 9 Hall Z [mm] : -1 Peak Field Bx: 0.01644 T

RMS Phase Error : 6.44 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 5.6 %

Fund. En. (B2E) : 3360.3 eV = 0.4 nm

Peak Field Bz: 0.26831 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.02+-0.11 mm Delta Bz/Bz : 9.2 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 1.340 G/m

Bz Taper : 6.034 G/m

Krms : 0.391

V Dipole : 3.8 G cm

Iz(coil) : 4.2 G cm

Pred. C.C. currents

V Quadrupole : 13.7 G

Iz(BzC): 4.2 Gcm Iz(Bz) : 19.1 G cm

I1 : -0.0447 A

V Sextupole : -121.3 G/cm

Ix(coil) : 6.3 G cm

I2 : -0.9366 A

Ix(BxC) : 6.3 Gcm Ix(Bx) : 418.1 G cm

H Dipole : 7.9 G cm

Ilx(sBx) : 0.1061 G m²

I3 : -0.6620 A

H Quadrupole : 100.6 G

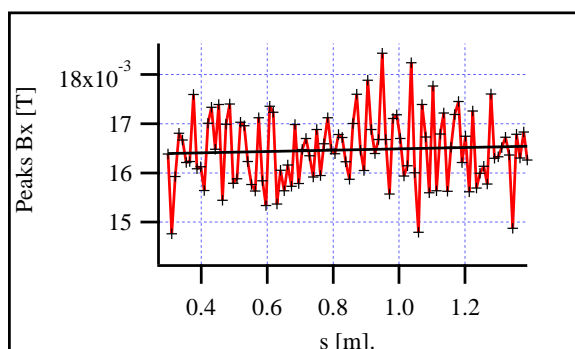
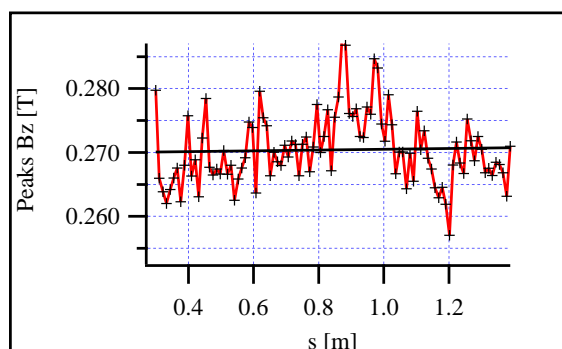
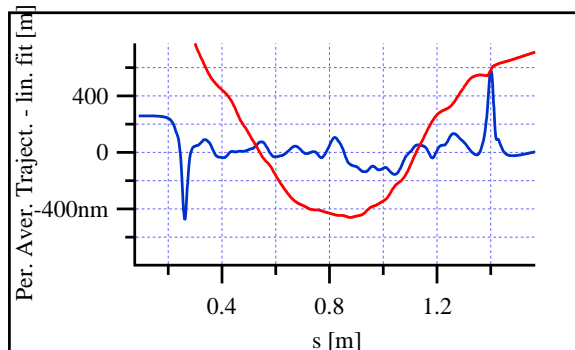
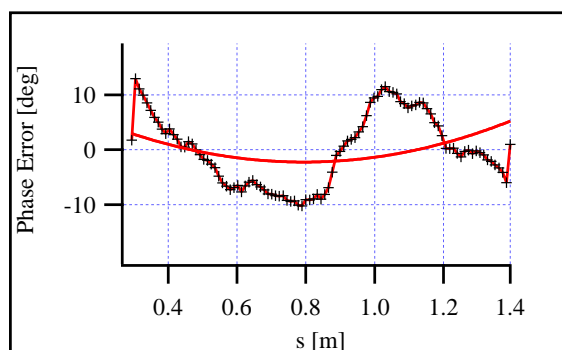
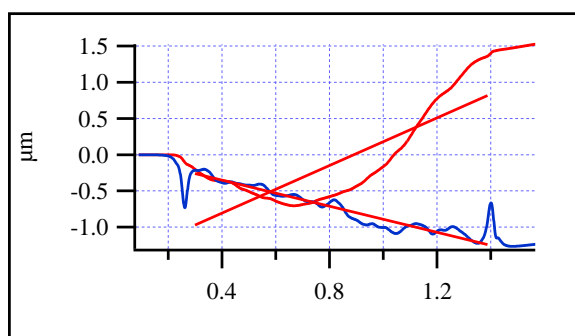
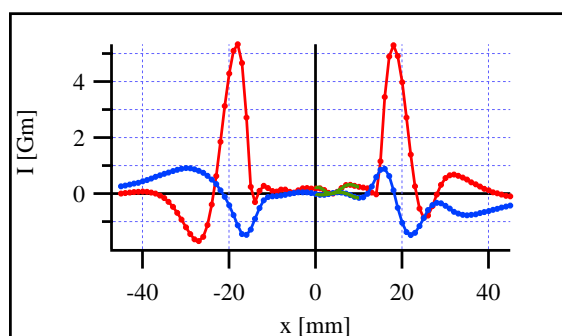
Ilz(sBz): -0.1548 G m²

I4 : 0.9060 A

H Sextupole : 202.2 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 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