

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz67,Bx67,Izmes37,Ixmes37

Gap [mm] : 200

Phase [mm] : 9 Hall Z [mm] : -1 Peak Field Bx: 0.00656 T

RMS Phase Error : 6.64 deg

Taper [mm] : 0 Hall X [mm] : -5 Delta Bx/Bx : 12.1 %

Fund. En. (B2E) : 3373.0 eV = 0.4 nm

Peak Field Bz: 0.26432 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.02+-0.11 mm Delta Bz/Bz : 9.4 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : -4.741 G/m

Bz Taper : 10.141 G/m

Krms : 0.384

V Dipole : 1.9 G cm

Iz(coil) : 1.7 G cm

Pred. C.C. currents

V Quadrupole : 27.2 G

Iz(BzC) : 1.7 Gcm Iz(Bz) : -2.4 G cm

I1 : 0.6390 A

V Sextupole : -45.5 G/cm

Ix(coil) : 3.8 G cm

I2 : -1.4159 A

Ix(BxC) : 3.8 Gcm Ix(Bx) : 412.0 G cm

H Dipole : 8.7 G cm

Ilx(sBx) : 0.0961 G m²

I3 : -0.9997 A

H Quadrupole : 12.7 G

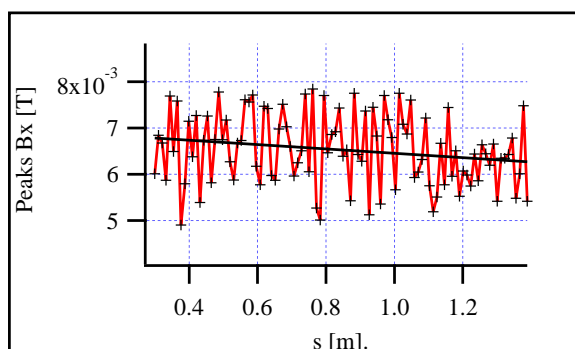
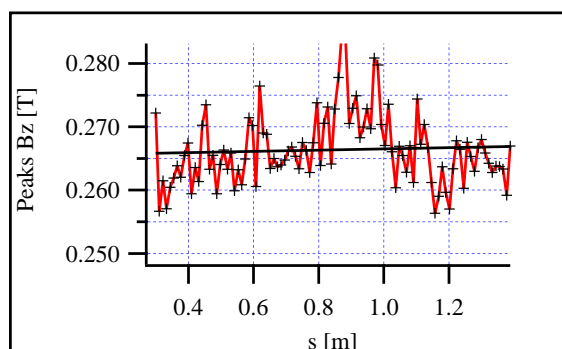
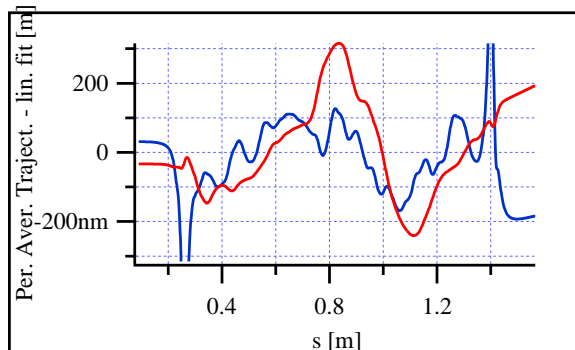
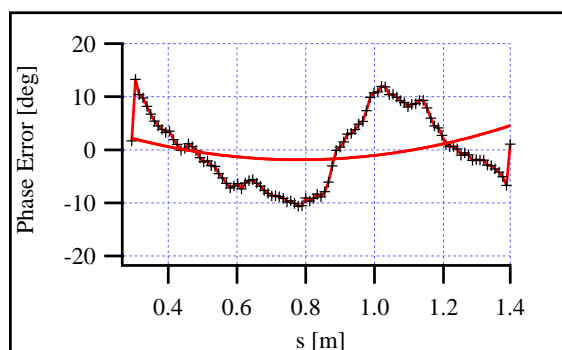
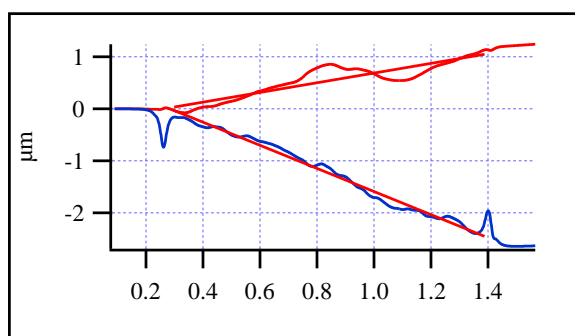
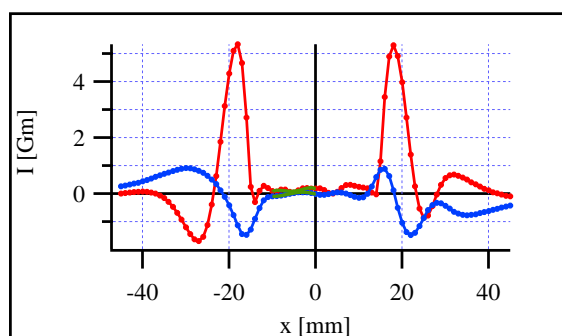
Ilz(sBz) : -0.2761 G m²

I4 : 1.3321 A

H Sextupole : 107.1 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 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