

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz51,Bx51,Izmes5,Ixmes5

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : -1 Peak Field Bx: 0.00493 T

RMS Phase Error : 3.88 deg

Taper [mm] : 0 Hall X [mm] : -5 Delta Bx/Bx : 16.0 %

Fund. En. (B2E) : 1861.1 eV = 0.7 nm

Peak Field Bz: 0.71421 T

Radiation wavelength (lin. fit): 0.7 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.4 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 4.222 G/m

Bz Taper : -17.760 G/m

Krms : 1.038

V Dipole : -4.0 G cm

Iz(coil) : -4.2 G cm

Pred. C.C. currents

V Quadrupole : 22.0 G

Iz(BzC): -4.2 Gcm Iz(Bz) : 19.7 G cm

I1 : 0.7594 A

V Sextupole : -44.4 G/cm

Ix(coil) : -0.3 G cm

I2 : -1.2056 A

Ix(BxC) : -0.3 Gcm Ix(Bx) : 267.4 G cm

H Dipole : 4.7 G cm

Iix(sBx) : 0.0804 G m²

I3 : -0.4014 A

H Quadrupole : 12.7 G

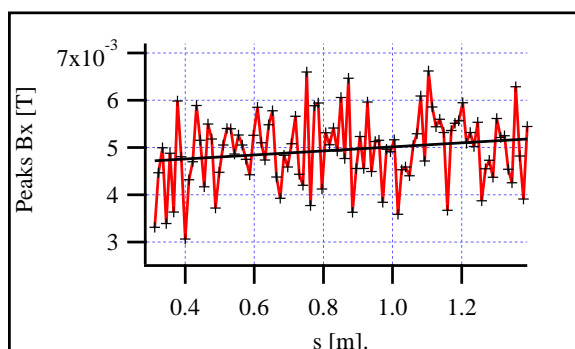
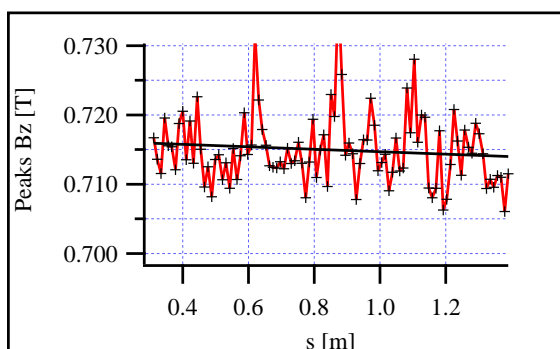
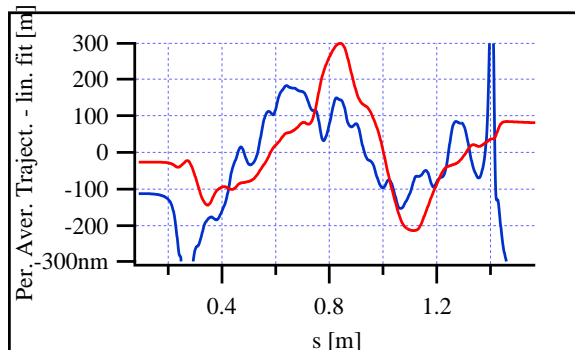
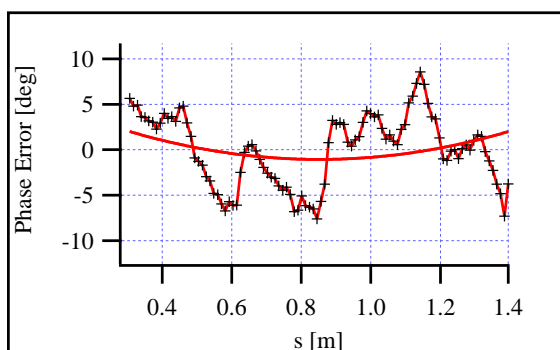
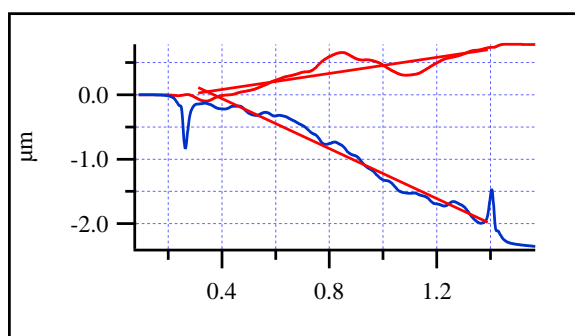
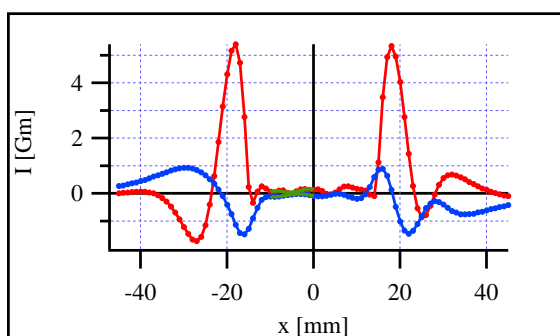
Iiz(sBz): -0.2045 G m²

I4 : 0.8829 A

H Sextupole : 109.6 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