

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz181,Bx181,Izmes26,Ixmes26

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : 0 Peak Field Bx: 0.00873 T

RMS Phase Error : 2.40 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 8.5 %

Peak Field Bz: 0.43999 T

Fund. En. (B2E) : 2764.1 eV = 0.4 nm

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.03 mm

Delta Bz/Bz : 1.2 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 3.754 G/m

Bz Taper : 4.374 G/m

V Dipole : -0.8 G cm

Iz(coil) : -0.9 G cm

Pred. C.C. currents

V Quadrupole : 20.1 G

$$I_z(\text{BzC}): -0.9 \text{ Gcm} \quad I_z(\text{Bz}): 25.7 \text{ G cm}$$

I1 : 0.7131 A

V Sextupole : -40.3 G/cm

$I_x(\text{coil}) : 3.7 \text{ G cm}$

I2 : -1.4783 A

$$I_x(B_xC) : 3.8 \text{ Gcm} \quad I_x(B_x) : 867.8 \text{ G cm}$$

H Dipole : 6.2 G cm

$$\Pi_X(sB_X) : 0.0943 \text{ G m}^2$$

I3 : -0.8602 A

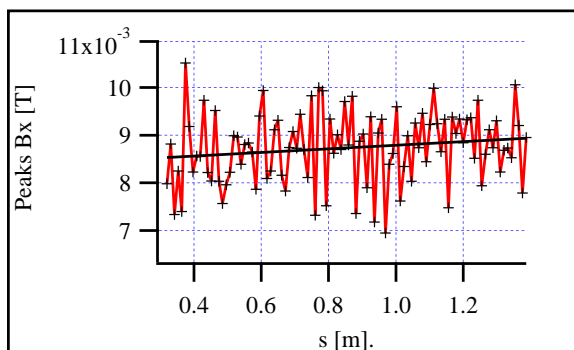
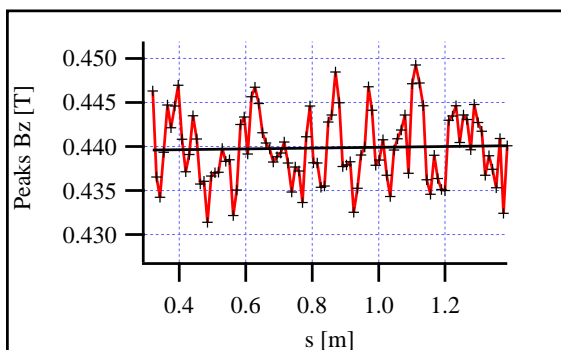
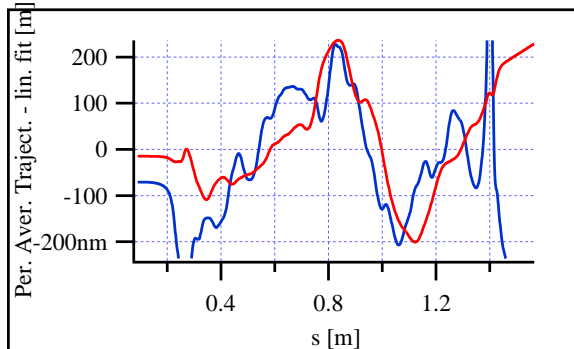
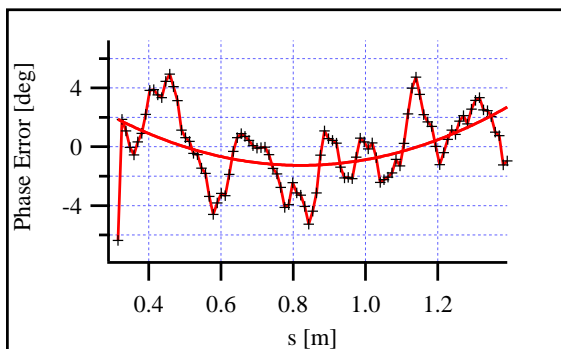
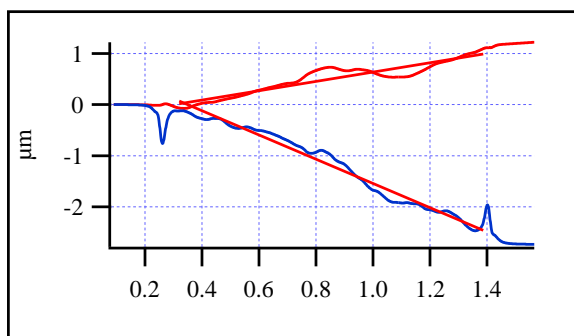
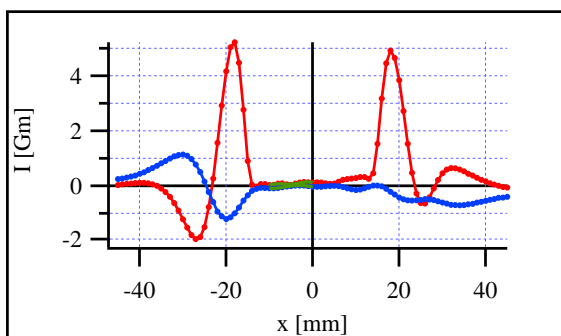
H Quadrupole : 6.8 G

$$\Pi_z(sBz): -0.2666 \text{ G m}^2$$

I4 : 1.1837 A

H Sextupole : 66.0 G/cm

BzTrj 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@kvma-undulators.eu – web: www.kvma-undulators.eu