

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz403,Bx403,Izmes39,Ixmes39

Gap [mm] : 200

Phase [mm] : 9 Hall Z [mm] : 1 Peak Field Bx: 0.09038 T

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 3.3 %

Peak Field Bz: 0.23162 T

Undulator Period : 22.00+-0.06 mm Delta Bz/Bz : 12.7 %

e-beam energy : 3 GeV

Bx Taper : -25.527 G/m

RMS Phase Error : 7.50 deg

Fund. En. (B2E) : 3388.3 eV = 0.4 nm

Radiation wavelength (lin. fit): 0.4 nm

Peaks used : 104

Bz Taper : -21.745 G/m

V Dipole : 17.1 G cm

Iz(coil) : 14.1 G cm

Pred. C.C. currents

V Quadrupole : -216.9 G

$$I_z(\text{BzC}): 14.2 \text{ Gcm} \quad I_z(\text{Bz}): 29.0 \text{ G cm}$$

I1 : 0.6840 A

V Sextupole : 255.7 G/cm

Ix(coil) : 11.8 G cm

I2 : -0.4059 A

$$I_x(B_xC) : 11.8 \text{ Gcm} \quad I_x(B_x) : 327.7 \text{ G cm}$$

H Dipole : -11.2 G cm

$$\Pi_X(sB_X) : -0.1682 \text{ G m}^2$$

I3 : -2.5241 A

H Quadrupole : 289.9 G

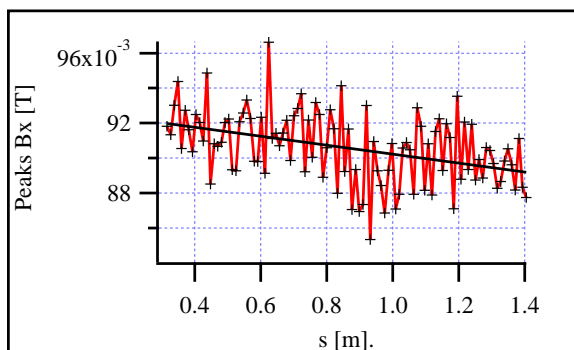
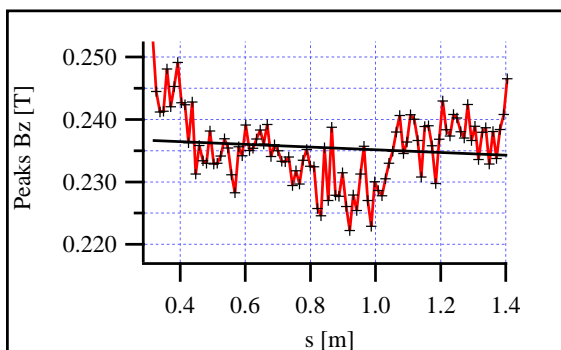
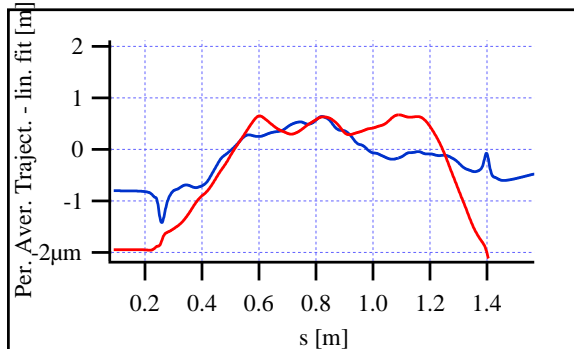
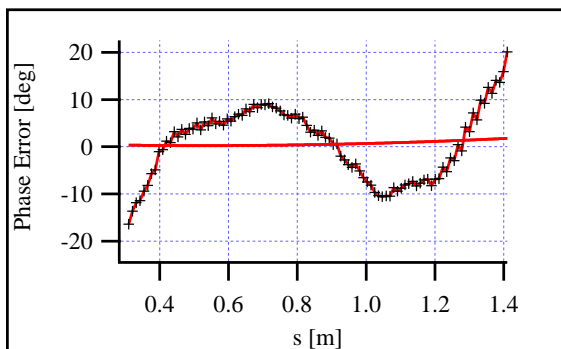
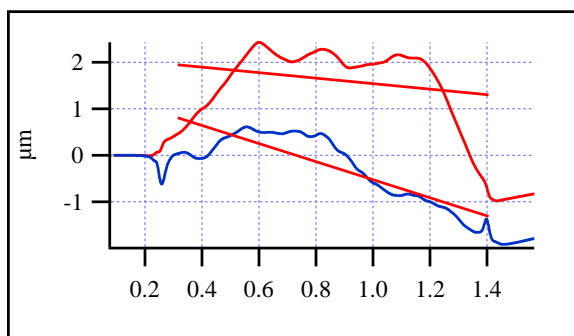
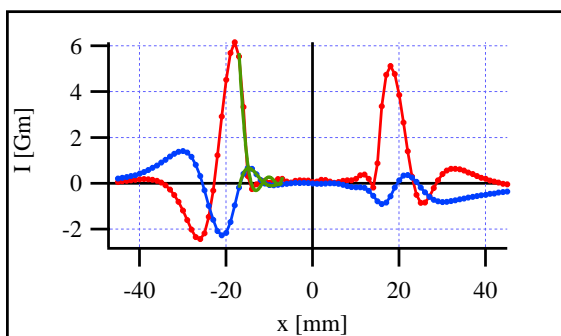
$$\Pi_z(\text{sBz}): -0.2816 \text{ G m}^2$$

I4 : 0.8603 A

H Sextupole : 358.7 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.7 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