

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz71,Bx71,Izmes45,Ixmes45

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : -1 Peak Field Bx: 0.01497 T

RMS Phase Error : 7.61 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 7.3 %

Fund. En. (B2E) : 3545.0 eV = 0.3 nm

Peak Field Bz: 0.20869 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 21.99+-0.09 mm Delta Bz/Bz : 10.0 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : -2.496 G/m

Bz Taper : -21.192 G/m

Krms : 0.304

V Dipole : 0.4 G cm

Iz(coil) : 0.2 G cm

Pred. C.C. currents

V Quadrupole : 27.7 G

$$I_z(\text{BzC}): 0.2 \text{ Gcm} \quad I_z(\text{Bz}): -14.3 \text{ G cm}$$

I1 : 0.9139 A

V Sextupole : -44.0 G/cm

Ix(coil) : 6.1 G cm

I2 : -1.3564 A

H Dipole : 10.9 G cm

$$\Pi_X(sB_X) : 0.0147 \text{ G m}^2$$

I3 : -1.2858 A

H Quadrupole : 2.7 G

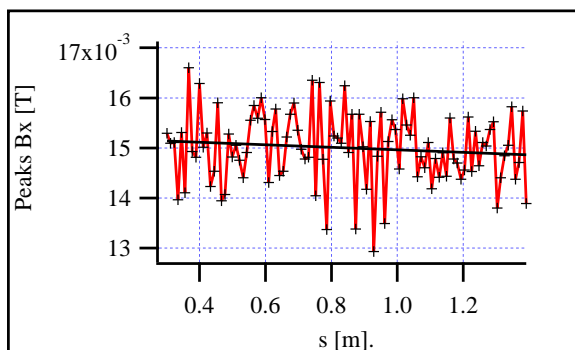
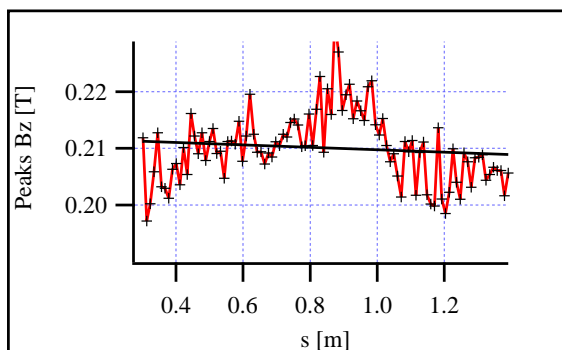
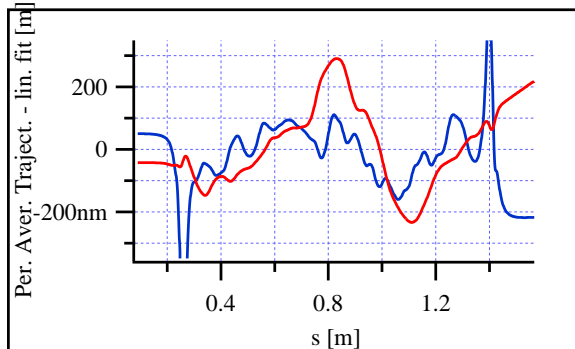
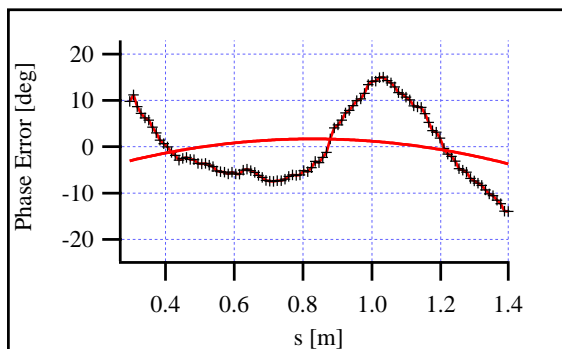
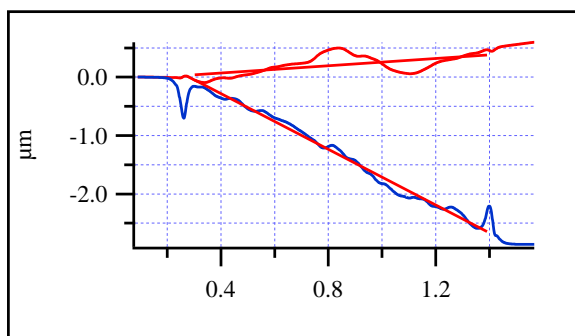
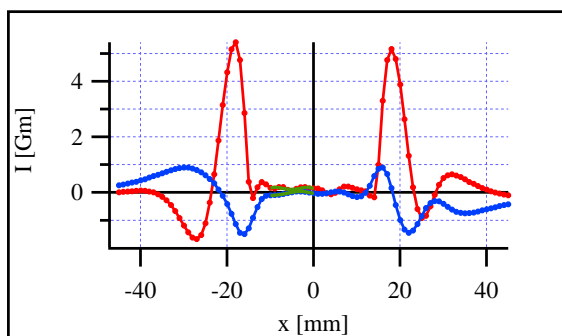
$$\Pi_z(\text{sBz}): -0.2876 \text{ G m}^2$$

I4 : 1.0134 A

H Sextupole : 103.9 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@kvma-undulators.eu – web: www.kvma-undulators.eu