

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz231,Bx231,Izmes31,Ixmes31

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : 1 Peak Field Bx: 0.00722 T

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 11.0 %

Peak Field Bz: 0.40387 T

Undulator Period : 22.00+-0.04 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.8 %

Bx Taper : 4.224 G/m

Krms : 0.587

V Dipole : -3.5 G cm

V Quadrupole : -13.7 G

V Sextupole : 32.6 G/cm

Iz(coil) : -3.7 G cm

$$I_z(\text{BzC}): -3.6 \text{ Gcm} \quad I_z(\text{Bz}) : 18.6 \text{ G cm}$$

Ix(coil) : 5.0 G cm

$$I_x(BxC) : 5.0 \text{ Gcm} \quad I_x(Bx) : 806.1 \text{ G cm}$$

H Dipole : 8.8 G cm

H Quadrupole : 10.4 G

H Sextupole : 96.7 G/cm

$$\Pi_X(sB_X) : -0.0461 \text{ G m}^2$$
 $\Pi_z(\text{sBz}): -0.3018 \text{ G m}^2$

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um

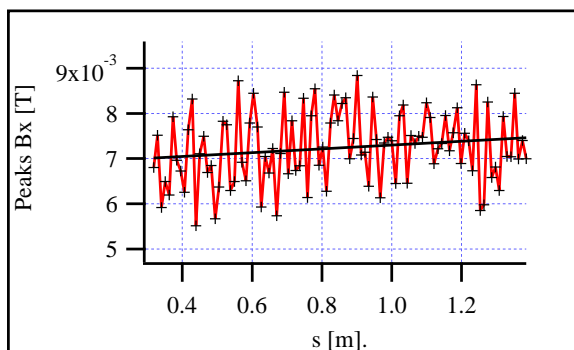
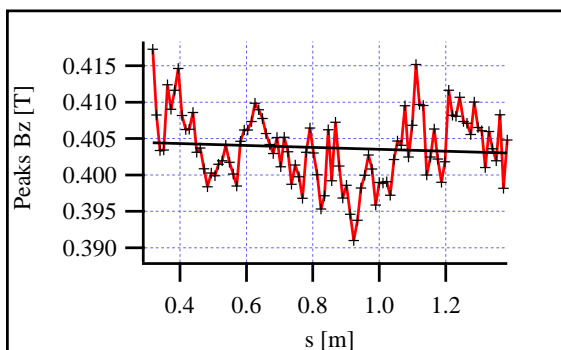
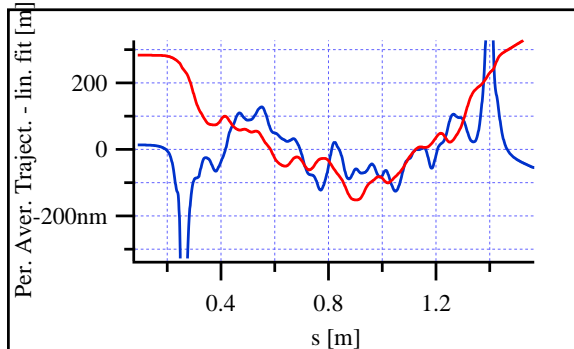
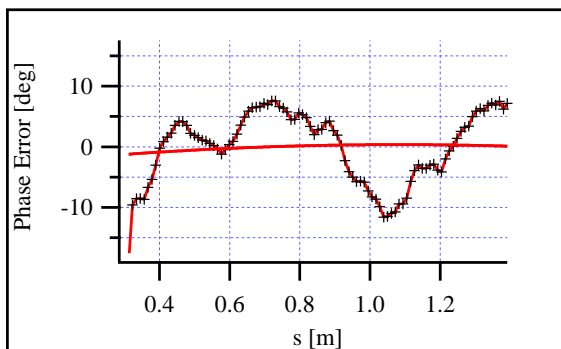
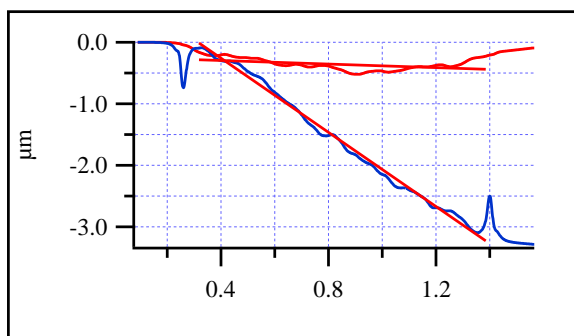
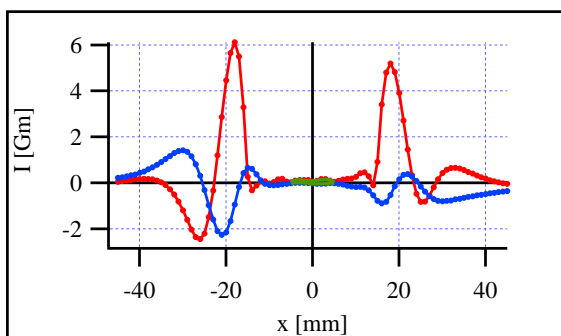
Pred. C.C. currents

I1 : 1.3320 A

I2 : -1.3625 A

I3 : -1.3314 A

I4 : 0.7692 A



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