

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz243,Bx243,Izmes7,Ixmes7

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : 1 Peak Field Bx: 0.00460 T

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 18.3 %

Peak Field Bz: 0.70604 T

Undulator Period : 22.00+-0.02 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.3 %

Bx Taper : 3.288 G/m

Krms : 1.026

V Dipole : -5.0 G cm

V Quadrupole : -9.3 G

V Sextupole : -101.6 G/cm

Iz(coil) : -4.7 G cm

$$I_z(\text{BzC}): -4.7 \text{ Gcm} \quad I_z(\text{Bz}) : 49.4 \text{ G cm}$$

$I_x(\text{coil}) : 0.8 \text{ G cm}$

$$I_x(BxC) : 0.8 \text{ Gcm} \quad I_x(Bx) : 268.7 \text{ G cm}$$

H Dipole : 4.2 G cm

H Quadrupole : -20.4 G

H Sextupole : 82.0 G/cm

$$\Pi_X(sB_X) : 0.0953 \text{ G m}^2$$
 $\mu_z(\text{sBz}): -0.1531 \text{ G m}^2$

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.3 um

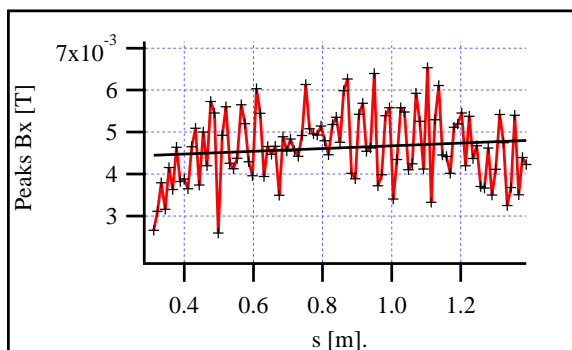
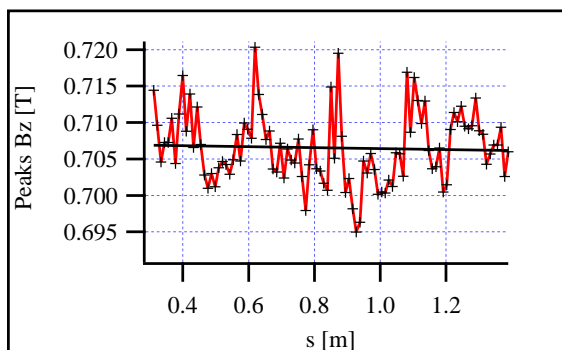
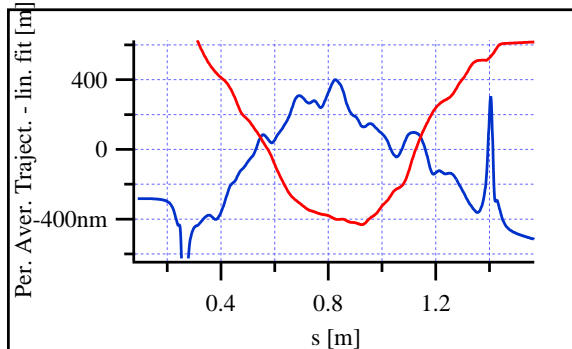
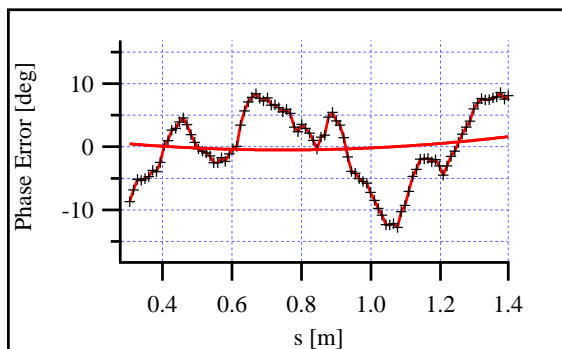
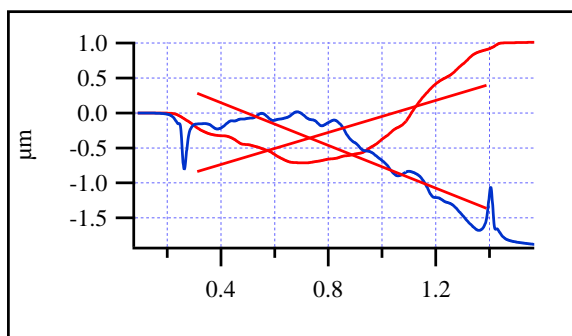
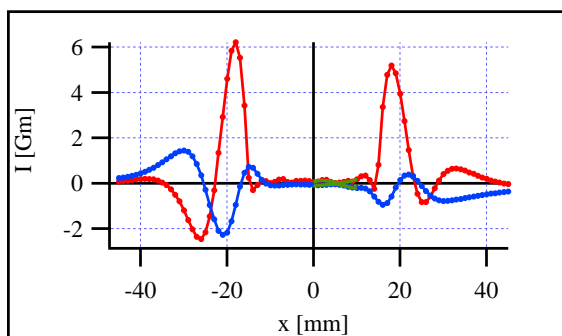
Pred. C.C. currents

I1 : 0.5014 A

I2 : -1.0994 A

I3 : -0.1644 A

I4 : 0.6665 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@kyma-undulators.eu – web: www.kyma-undulators.eu