

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz95,Bx95,Izmes45,Ixmes45

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : -1 Peak Field Bx: 0.00070 T

RMS Phase Error : 7.42 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 70.7 %

Fund. En. (B2E) : $3549.1 \text{ eV} = 0.3 \text{ nm}$

Peak Field Bz: 0.20838 T

Radiation wavelength (lin. fit): 0.3 nm

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

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 0.520 G/m

Bz Taper : -31.202 G/m

Krms : 0.303

V Dipole : -3.2 G cm

Iz(coil) : -3.5 G cm

Pred. C.C. currents

V Quadrupole : -25.1 G

$$I_z(\text{BzC}): -3.5 \text{ Gcm} \quad I_z(\text{Bz}): -5.3 \text{ G cm}$$

I1 : 0.2611 A

V Sextupole : 49.2 G/cm

$I_x(\text{coil}) : 14.7 \text{ G cm}$

I2 : -0.9734 A

$$I_x(B_xC) : 14.7 \text{ Gcm} \quad I_x(B_x) : -85.5 \text{ G cm}$$

H Dipole : 16.0 G cm

$$\Pi_X(sB_X) : -0.0268 \text{ G m}^2$$

I3 : -0.8464 A

H Quadrupole : -20.0 G

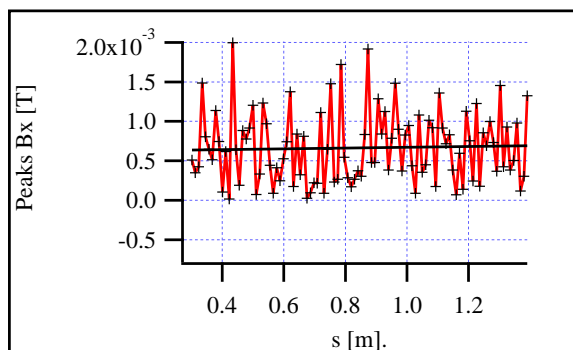
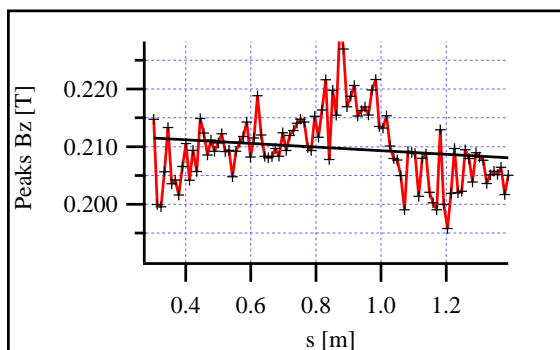
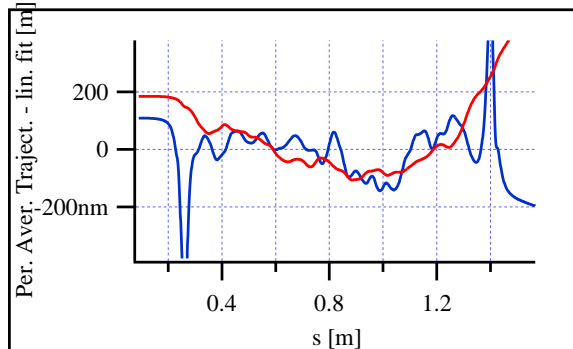
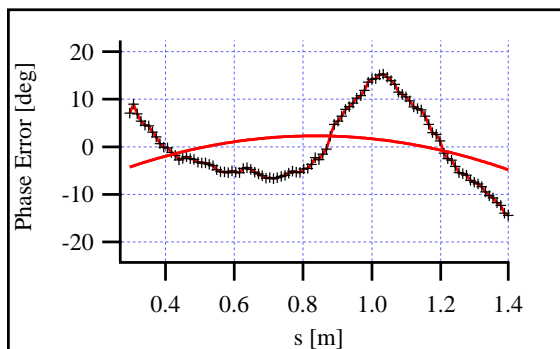
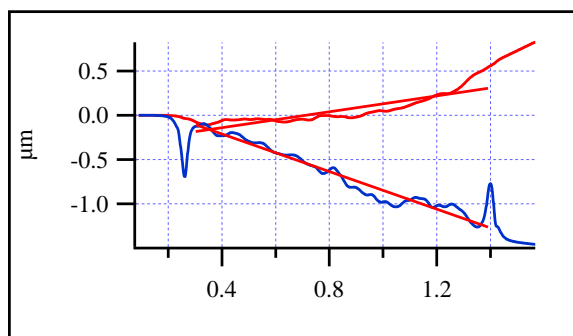
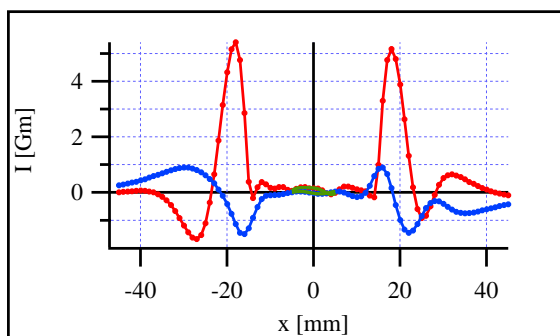
$\Pi_z(\text{sBz}): -0.1200 \text{ G m}^2$

I4 : -0.1749 A

H Sextupole : -115.0 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