

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz89,Bx89,Izmes33,Ixmes33

Gap [mm] : 200

Phase [mm] : 8    Hall Z [mm] : -1    Peak Field Bx: 0.00616 T

RMS Phase Error : 6.40 deg

Taper [mm] : 0    Hall X [mm]: 0    Delta Bx/Bx : 12.3 %

Peak Field Bz: 0.33780 T

Fund. En. (B2E) : 3130.1 eV = 0.4 nm

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.01+-0.09 mm Delta Bz/Bz : 8.0 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 3.472 G/m

Bz Taper : 15.945 G/m

Krms : 0.491

V Dipole : -1.2 G cm

Iz(coil) : -1.5 G cm

Pred. C.C. currents

V Quadrupole : -27.0 G

$$I_z(\text{BzC}): -1.5 \text{ Gcm} \quad I_z(\text{Bz}) : 18.3 \text{ G cm}$$

I1 : -0.2426 A

V Sextupole : 56.4 G/cm

Ix(coil) : 17.0 G cm

I2 : -1.1112 A

$$I_x(B_xC) : 17.1 \text{ Gcm} \quad I_x(B_x) : 648.0 \text{ G cm}$$

H Dipole : 18.5 G cm

$$\Pi_X(sB_X) : 0.0605 \text{ G m}^2$$

I3 : -0.6412 A

H Quadrupole : -7.8 G

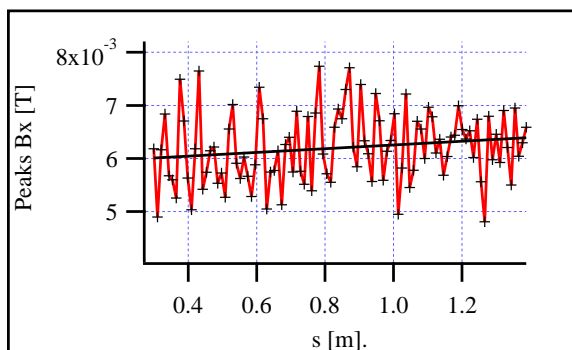
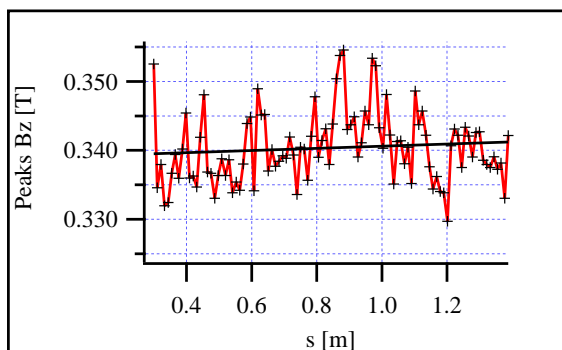
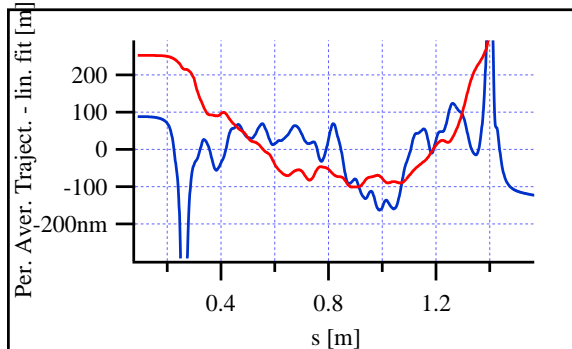
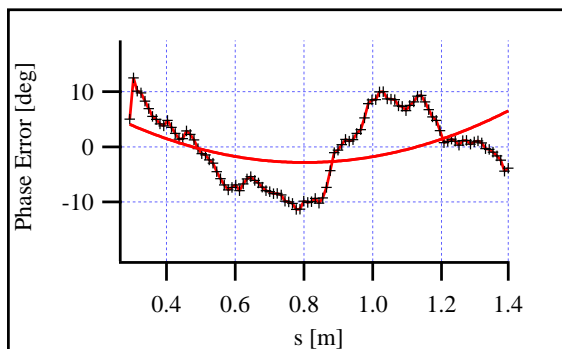
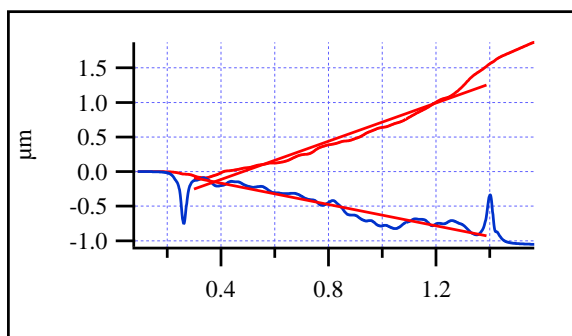
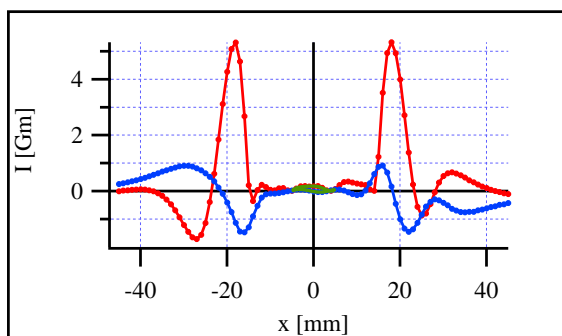
 $\Pi_z(\text{sBz}): -0.0942 \text{ G m}^2$ 

I4 : -0.0137 A

H Sextupole : -118.8 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](mailto:info@kvma-undulators.eu) – web: [www.kvma-undulators.eu](http://www.kvma-undulators.eu)