

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz227,Bx227,Izmes23,Ixmes23

Gap [mm] : 200

Phase [mm] : 5    Hall Z [mm] : 1    Peak Field Bx: 0.00776 T

Taper [mm] : 0    Hall X [mm]: 0    Delta Bx/Bx : 10.3 %

Peak Field Bz: 0.54815 T

Undulator Period : 22.00+-0.03 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.4 %

Bx Taper : 4.651 G/m

Krms : 0.797

V Dipole : -5.6 G cm

Iz(coil) : -5.8 G cm

V Quadrupole : -12.2 G

$$I_z(\text{BzC}): -5.8 \text{ Gcm} \quad I_z(\text{Bz}) : 40.4 \text{ G cm}$$

V Sextupole : 35.6 G/cm

$I_x(\text{coil}) : 4.5 \text{ G cm}$

$$I_x(BxC) : 4.5 \text{ Gcm} \quad I_x(Bx) : 907.0 \text{ G cm}$$

H Dipole : 8.3 G cm

$$\Pi_X(sB_X) : -0.0227 \text{ G m}^2$$

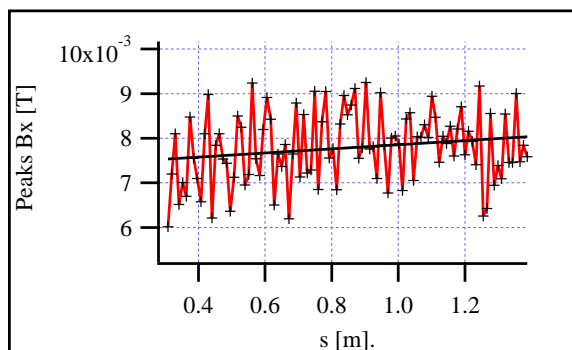
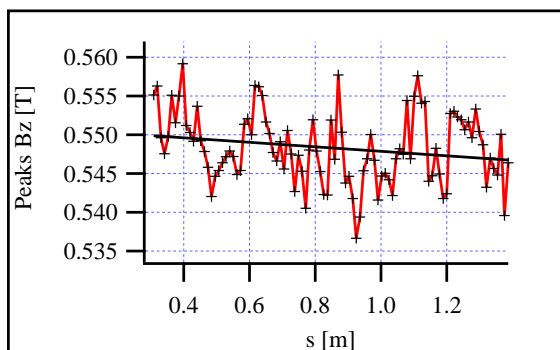
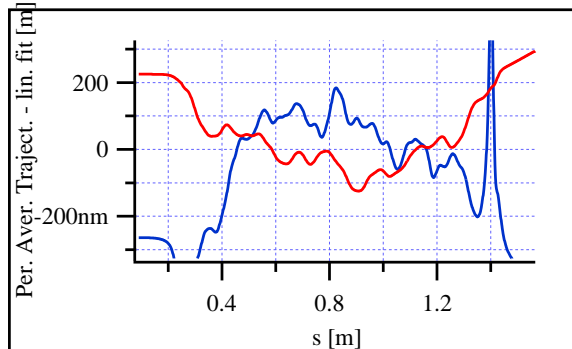
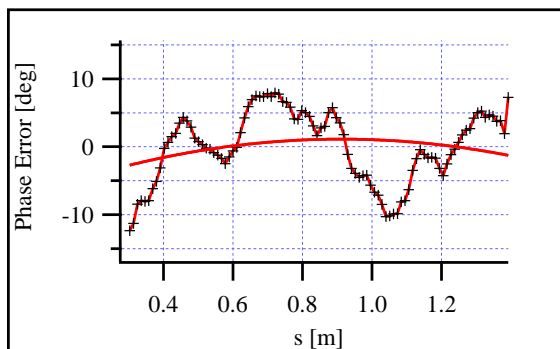
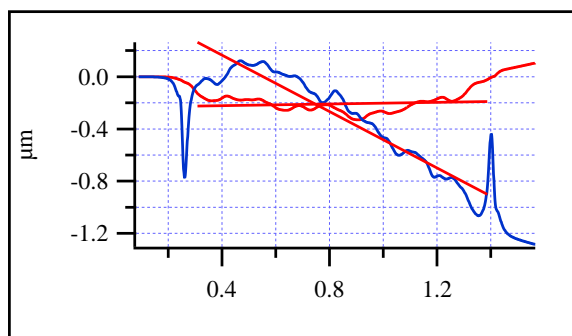
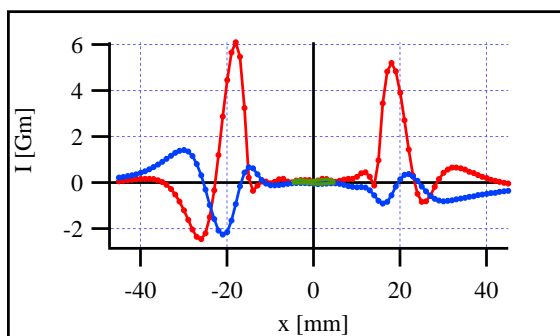
H Quadrupole : 11.0 G

 $\mu_z(\text{sBz}): -0.0855 \text{ G m}^2$ 

H Sextupole : 87.3 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)