

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz233,Bx233,Izmes35,Ixmes35

Gap [mm] : 200

Phase [mm] : 8    Hall Z [mm] : 1    Peak Field Bx: 0.00658 T

Taper [mm] : 0    Hall X [mm]: 0    Delta Bx/Bx : 12.5 %

Peak Field Bz: 0.31947 T

Undulator Period : 22.00+-0.05 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 11.9 %

Bx Taper : 3.259 G/m

Krms : 0.464

V Dipole : 0.8 G cm

Iz(coil) : 0.5 G cm

V Quadrupole : -10.5 G

$$I_z(\text{BzC}): 0.5 \text{ Gcm} \quad I_z(\text{Bz}) : 6.6 \text{ G cm}$$

V Sextupole : 29.7 G/cm

Ix(coil) : 7.0 G cm

$$I_x(B_xC) : 7.0 \text{ Gcm} \quad I_x(B_x) : 648.9 \text{ G cm}$$

H Dipole : 10.7 G cm

$$\Pi_X(sB_X) : -0.0590 \text{ G m}^2$$

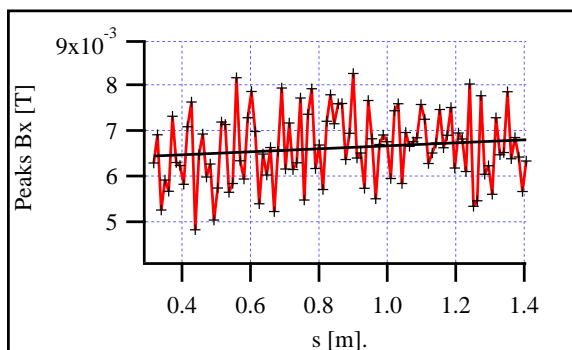
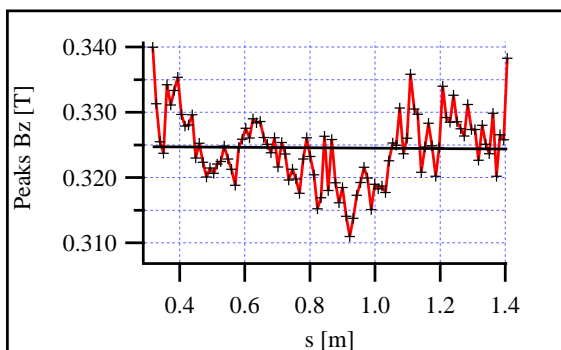
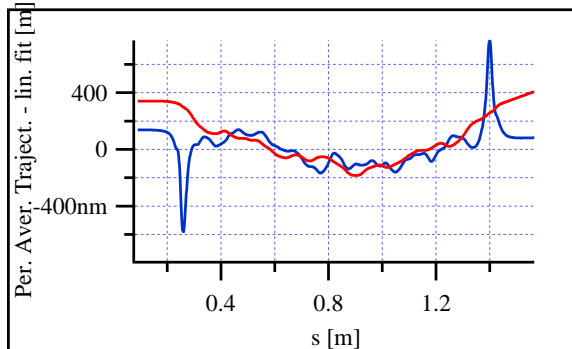
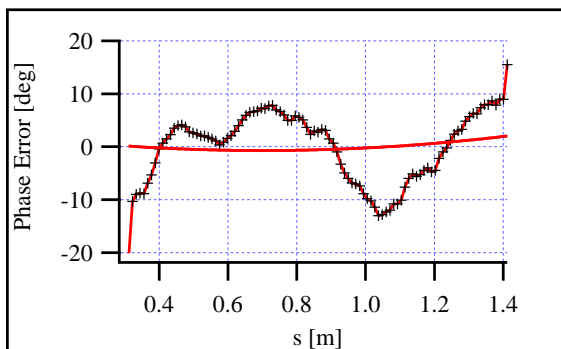
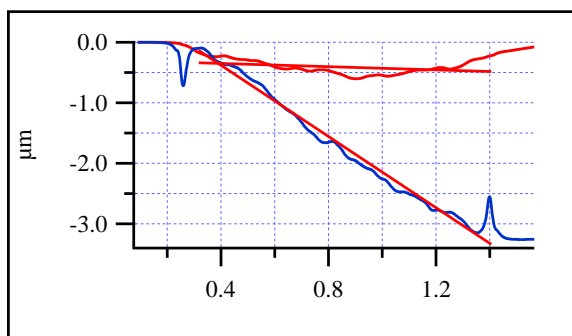
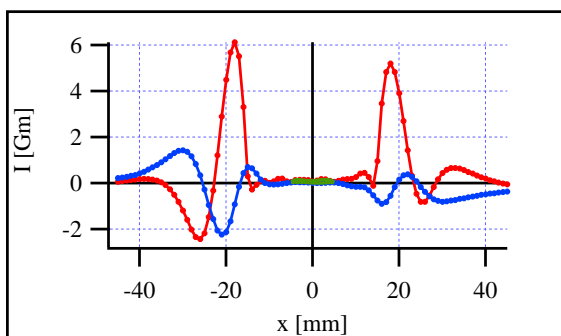
H Ouadrupole : 8.9 G

$$\Pi_z(sBz): -0.3298 \text{ G m}^2$$

H Sextupole : 92.0 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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