

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz183,Bx183,Izmes30,Ixmes30

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : 0 Peak Field Bx: 0.00833 T

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 9.2 %

Peak Field Bz: 0.35397 T

Undulator Period : 22.00+-0.04 mm Delta Bz/Bz : 1.3 %

e-beam energy : 3 GeV

Bx Taper : 3.448 G/m

Krms : 0.514

V Dipole : -0.3 G cm

Iz(coil) : -0.5 G cm

V Quadrupole : 20.1 G

$$I_z(\text{BzC}): -0.5 \text{ Gcm} \quad I_z(\text{Bz}): 24.0 \text{ G cm}$$

V Sextupole : -37.4 G/cm

Ix(coil) : 5.0 G cm

$$I_x(B_xC) : 5.0 \text{ Gcm} \quad I_x(B_x) : 782.0 \text{ G cm}$$

H Dipole : 7.7 G cm

$$\Pi_X(sB_X) : 0.0895 \text{ G m}^2$$

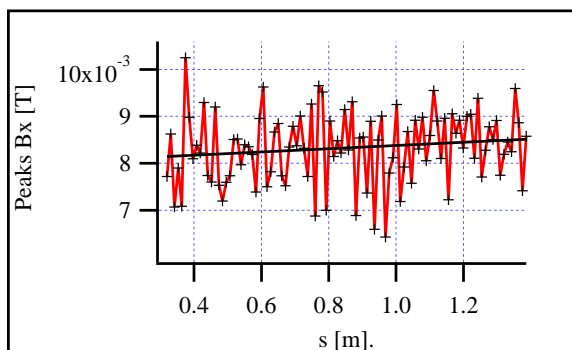
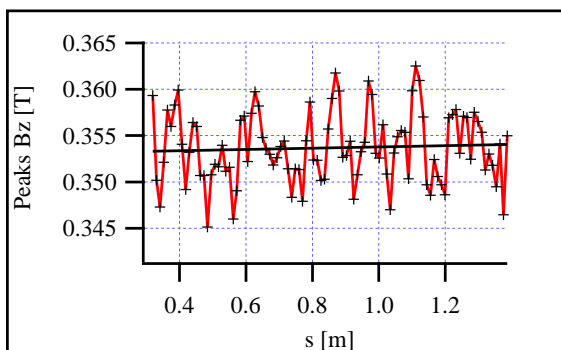
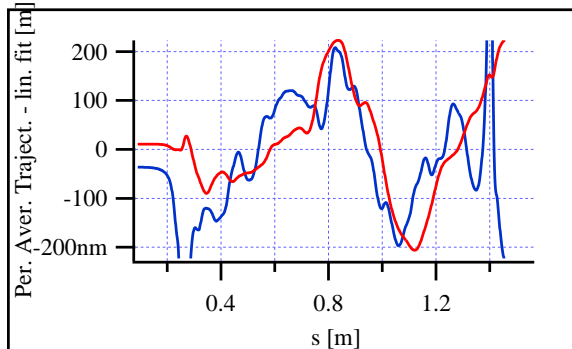
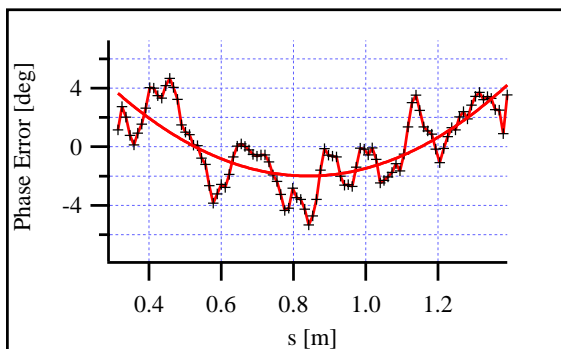
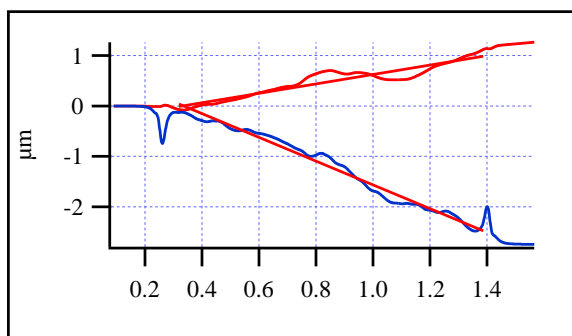
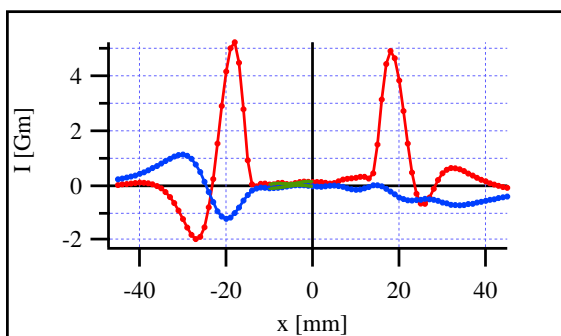
H Quadrupole : 7.6 G

 $\Pi_z(\text{sBz}): -0.2709 \text{ G m}^2$

H Sextupole : 68.4 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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