

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz275,Bx275,Izmes23,Ixmes23

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : 1 Peak Field Bx: 0.01423 T

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 15.2 %

Peak Field Bz: 0.46751 T

Undulator Period : 22.00+-0.03 mm

e-beam energy : 3 GeV

Bx Taper : -13.200 G/m

Krms : 0.680

V Dipole : -23.6 G cm

V Quadrupole : -77.2 G

V Sextupole : -375.3 G/cm

Iz(coil) : -21.8 G cm

$$I_z(\text{BzC}): -21.8 \text{ Gcm} \quad I_z(\text{Bz}) : 18.3 \text{ G cm}$$

$I_x(\text{coil}) : 43.9 \text{ G cm}$

$$I_x(B_xC) : 44.0 \text{ Gcm} \quad I_x(B_x) : 725.7 \text{ G cm}$$

H Dipole : 14.7 G cm

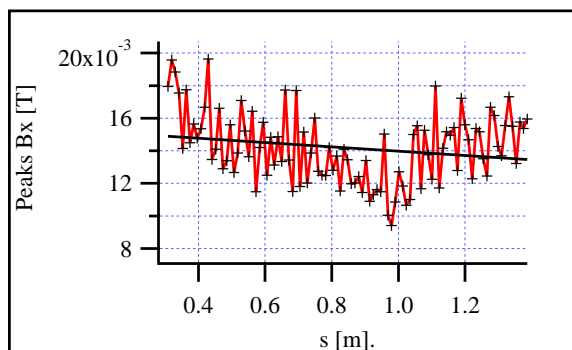
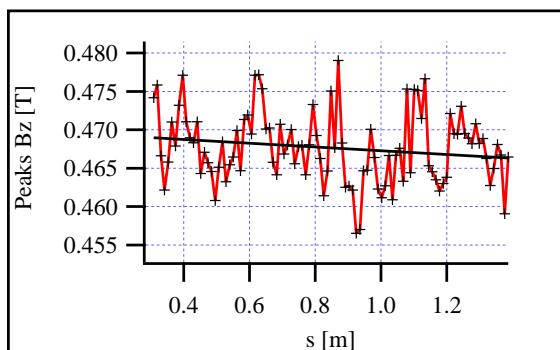
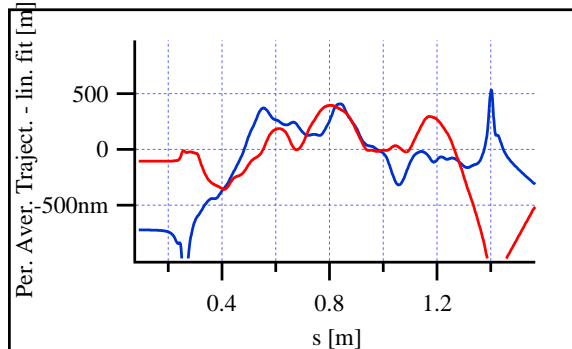
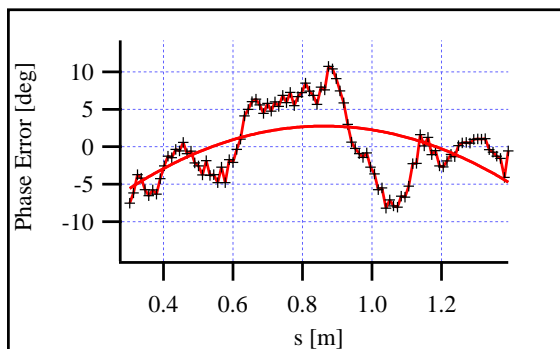
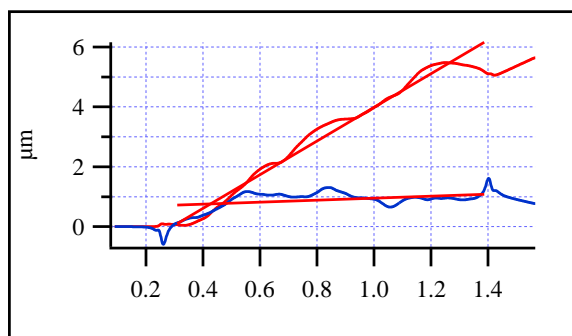
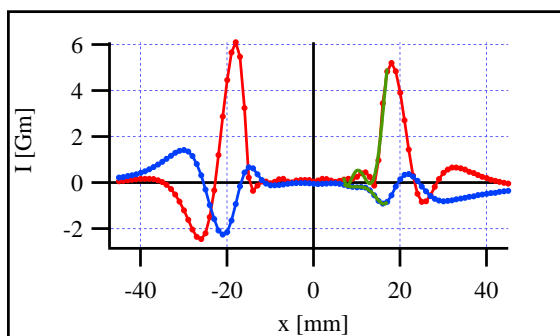
H Quadrupole : -309.9 G

H Sextupole : 508.9 G/cm

$$\Pi_X(sB_X) : 0.2403 \text{ G m}^2$$
 $\Pi_z(\text{sBz}): 0.2380 \text{ G m}^2$

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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