

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz319,Bx319,Izmes13,Ixmes13

Gap [mm] : 200

Phase [mm] : 3 Hall Z [mm] : -1 Peak Field Bx: 0.05134 T

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 3.9 %

Peak Field Bz: 0.60169 T

Undulator Period : 22.00+-0.04 mm Delta Bz/Bz : 1.5 %

e-beam energy : 3 GeV

Bx Taper : 13.718 G/m

Krms : 0.877

V Dipole : -0.1 G cm

Iz(coil) : -2.6 G cm

V Quadrupole : 213.4 G

$$I_z(\text{BzC}): -2.6 \text{ Gcm} \quad I_z(\text{Bz}): 3.8 \text{ G cm}$$

V Sextupole : 527.3 G/cm

Ix(coil) : 14.7 G cm

$$I_x(B_xC) : 14.7 \text{ Gcm} \quad I_x(B_x) : 587.2 \text{ G cm}$$

H Dipole : -9.0 G cm

$$\Pi_X(sB_X) : 0.3858 \text{ G m}^2$$

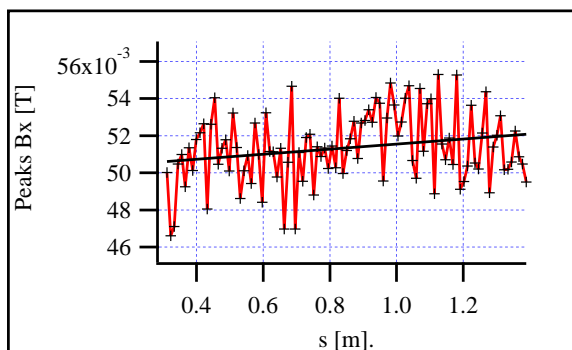
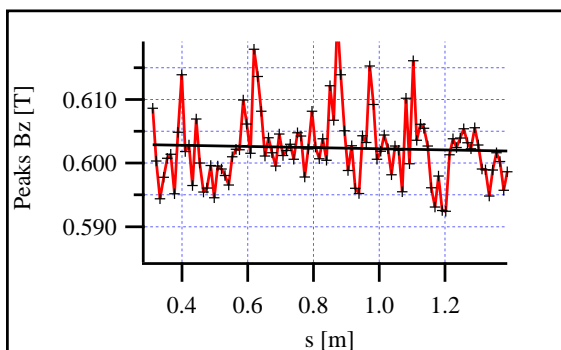
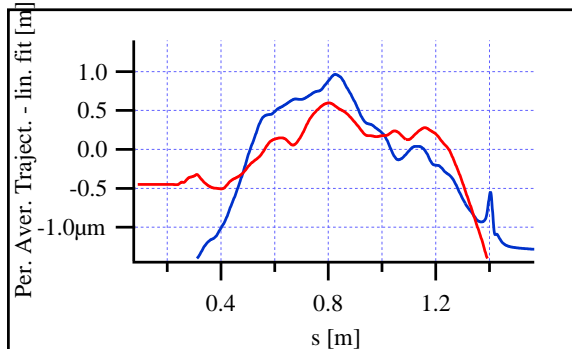
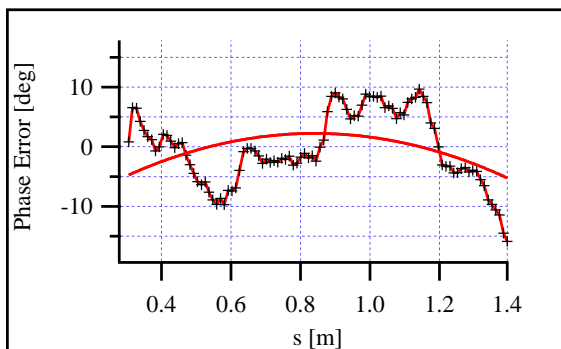
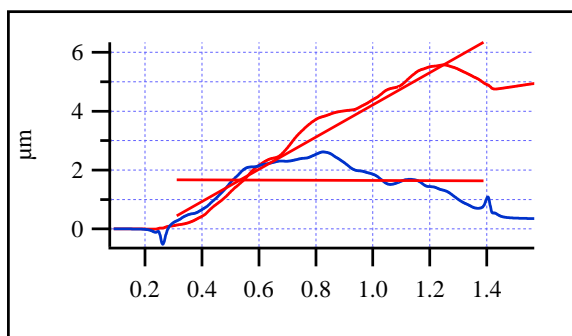
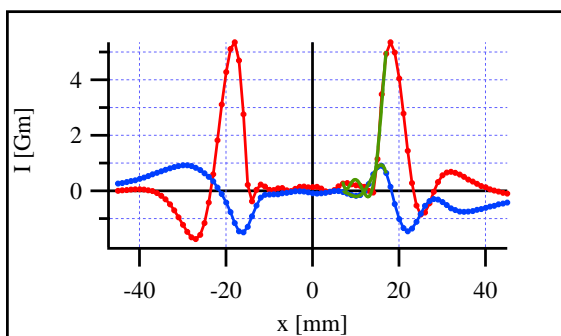
H Quadrupole : -272.1 G

 $\mu_z(\text{sBz}): 0.0542 \text{ G m}^2$

H Sextupole : 975.6 G/cm

BzTrj RMS dev. : 0.6 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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