

Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz193,Bx193,Izmes3,Ixmes3

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : 1 Peak Field Bx: 0.00832 T

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 9.4 %

Peak Field Bz: 0.71649 T

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.0 %

e-beam energy : 3 GeV

Bx Taper : 4.093 G/m

Krms : 1.041

V Dipole : -6.1 G cm

Iz(coil) : -6.4 G cm

V Quadrupole : 12.6 G

$$I_z(\text{BzC}): -6.4 \text{ Gcm} \quad I_z(\text{Bz}): 4.3 \text{ G cm}$$

V Sextupole : -38.8 G/cm

Ix(coil) : 3.7 G cm

$$I_x(B_xC) : 3.7 \text{ Gcm} \quad I_x(B_x) : 17.3 \text{ G cm}$$

H Dipole : 8.5 G cm

$$\Pi_X(sB_X) : 0.0944 \text{ G m}^2$$

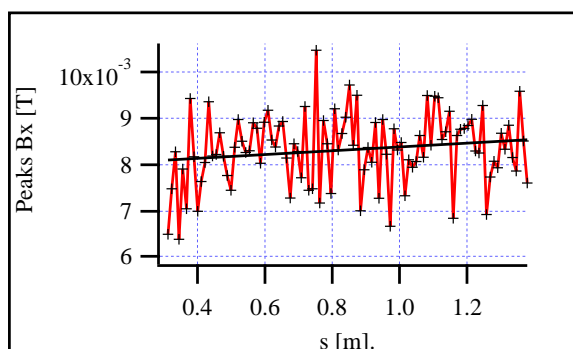
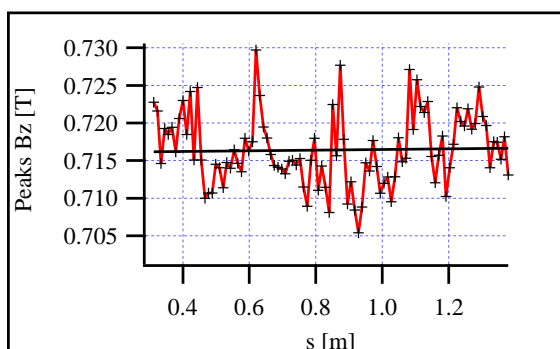
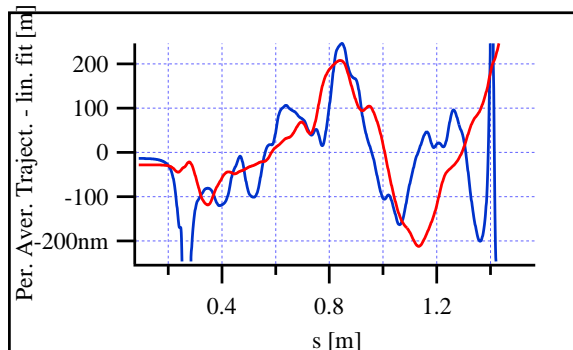
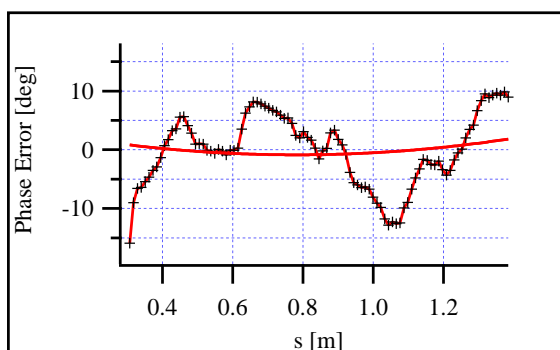
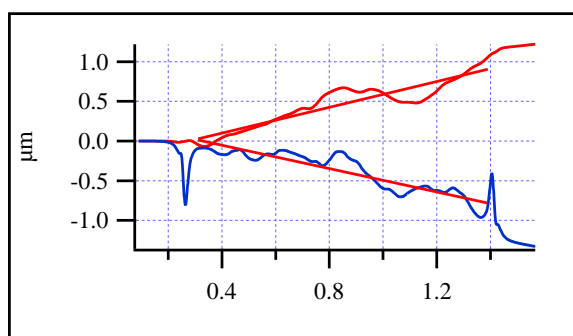
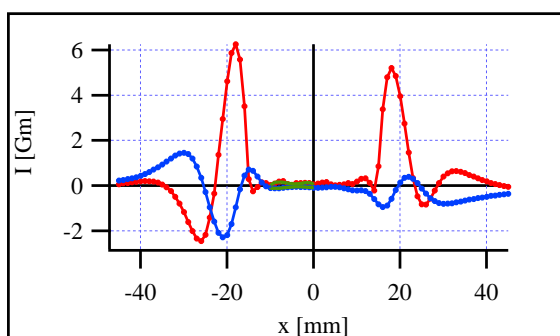
H Quadrupole : -17.5 G

 $\Pi_z(\text{sBz}): -0.0854 \text{ G m}^2$

H Sextupole : 116.6 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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