

Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz207,Bx207,Izmes31,Ixmes31

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : 1 Peak Field Bx: 0.01424 T

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 5.6 %

Peak Field Bz: 0.39979 T

Undulator Period : 22.00+-0.04 mm Delta Bz/Bz : 1.8 %

e-beam energy : 3 GeV

Bx Taper : 2.431 G/m

Krms : 0.581

V Dipole : -1.7 G cm

Iz(coil) : -1.9 G cm

V Quadrupole : 19.6 G

$$I_z(\text{BzC}): -1.9 \text{ Gcm} \quad I_z(\text{Bz}) : 18.9 \text{ G cm}$$

V Sextupole : -42.7 G/cm

$I_x(\text{coil}) : 1.6 \text{ G cm}$

$$I_x(B_xC) : 1.6 \text{ Gcm} \quad I_x(B_x) : 784.8 \text{ G cm}$$

H Dipole : 6.8 G cm

$$\Pi_X(sB_X) : 0.0562 \text{ G m}^2$$

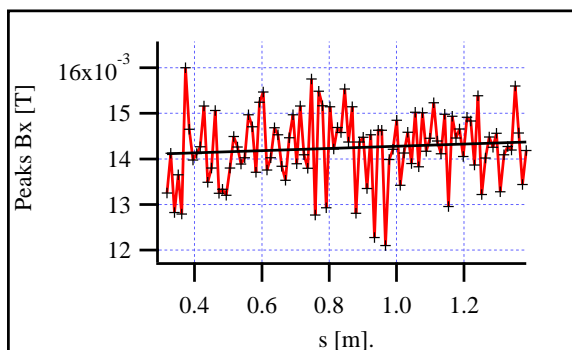
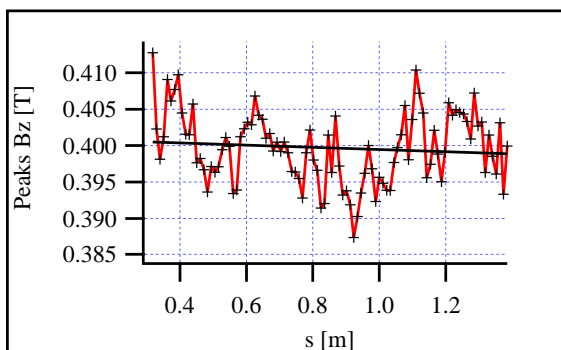
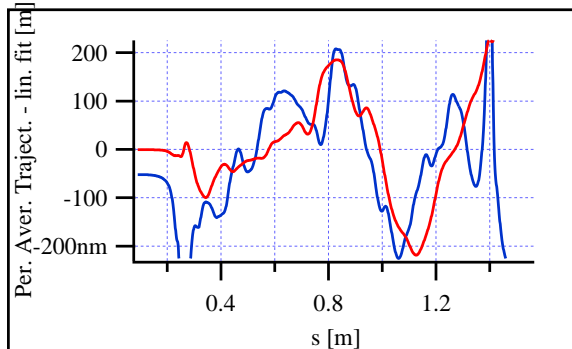
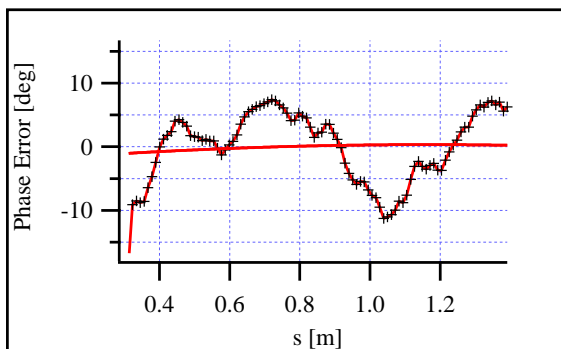
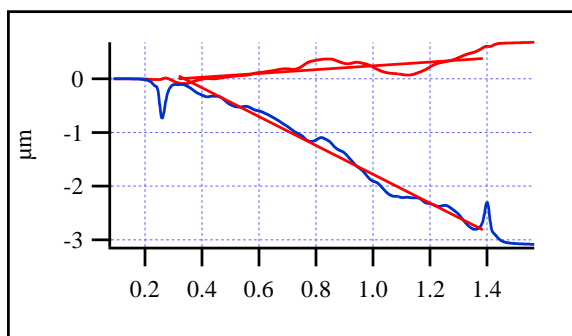
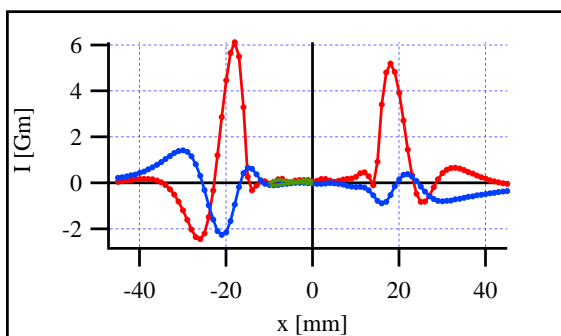
H Quadrupole : -10.8 G

 $\Pi_z(\text{sBz}): -0.2949 \text{ G m}^2$

H Sextupole : 116.5 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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