

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz401,Bx401,Izmes35,Ixmes35

Gap [mm] : 200

Phase [mm] : 8 Hall Z [mm] : 1 Peak Field Bx: 0.07219 T

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

Peak Field Bz: 0.29589 T

Undulator Period : 22.00+-0.05 mm Delta Bz/Bz : 11.8 %

e-beam energy : 3 GeV

Bx Taper : -22.688 G/m

Krms : 0.443

V Dipole : 18.7 G cm

Iz(coil) : 15.7 G cm

V Quadrupole : -214.5 G

$$I_z(\text{BzC}): 15.8 \text{ Gcm} \quad I_z(\text{Bz}): 37.7 \text{ G cm}$$

V Sextupole : 262.9 G/cm

Ix(coil) : 9.7 G cm

$$I_x(B_xC) : 9.7 \text{ Gcm} \quad I_x(B_x) : 479.9 \text{ G cm}$$

H Dipole : -13.3 G cm

$$\Pi_X(sB_X) : -0.1624 \text{ G m}^2$$

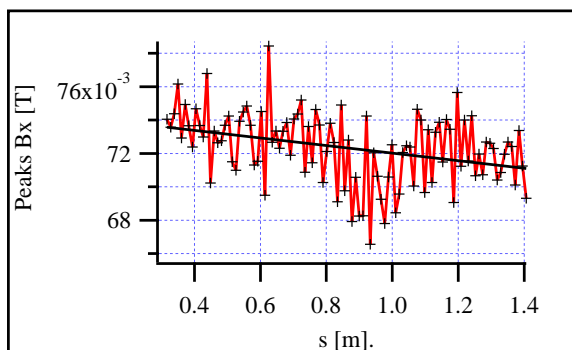
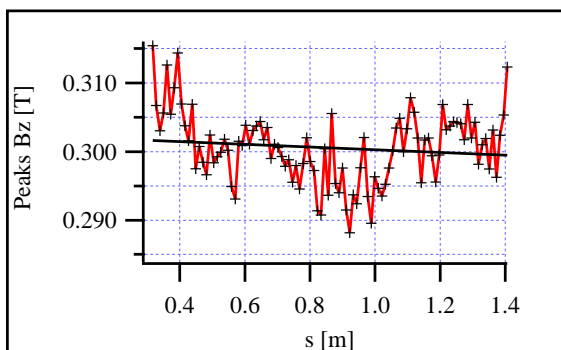
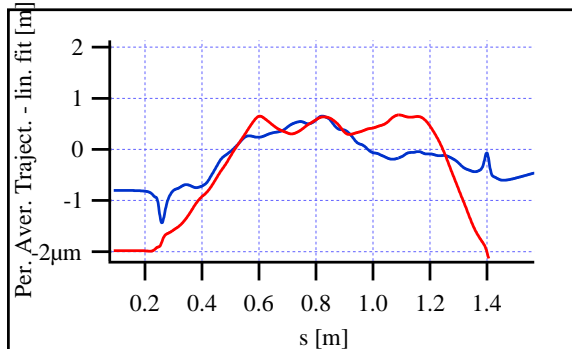
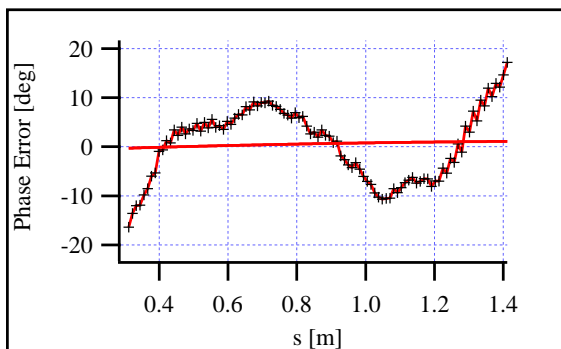
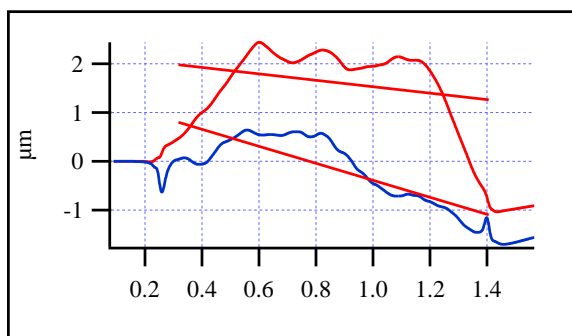
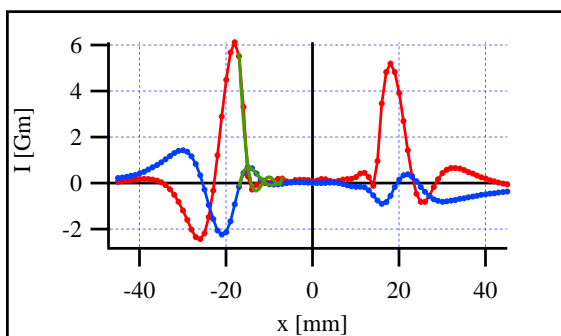
H Quadrupole : 294.6 G

$$\Pi_z(\text{sBz}): -0.2722 \text{ G m}^2$$

H Sextupole : 361.4 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.7 um



Kyma Srl

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