

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz209,Bx209,Izmes35,Ixmes35

Gap [mm] : 200

Phase [mm] : 8 Hall Z [mm] : 1 Peak Field Bx: 0.01558 T

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

Peak Field Bz: 0.31607 T

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

e-beam energy : 3 GeV

Bx Taper : 0.805 G/m

Krms : 0.460

V Dipole : 2.3 G cm

Iz(coil) : 2.3 G cm

V Quadrupole : 16.8 G

$$I_z(\text{BzC}): 2.3 \text{ G cm} \quad I_z(\text{Bz}) : 25.3 \text{ G cm}$$

V Sextupole : -42.4 G/cm

Ix(coil) : 4.7 G cm

$$I_x(BxC) : 4.7 \text{ Gcm} \quad I_x(Bx) : 631.9 \text{ G cm}$$

H Dipole : 9.5 G cm

$$\Pi_X(sB_X) : 0.0421 \text{ G m}^2$$

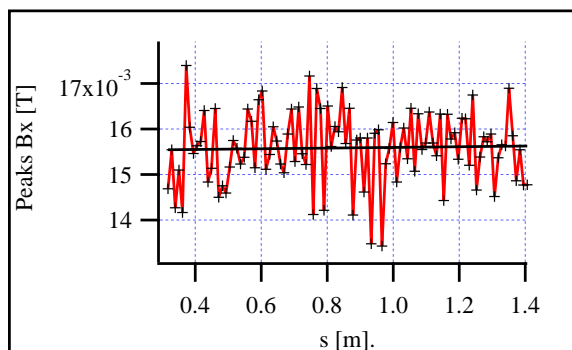
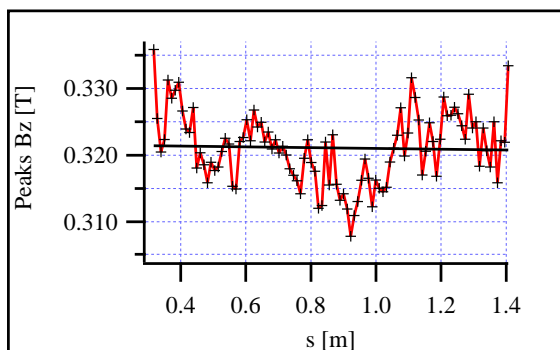
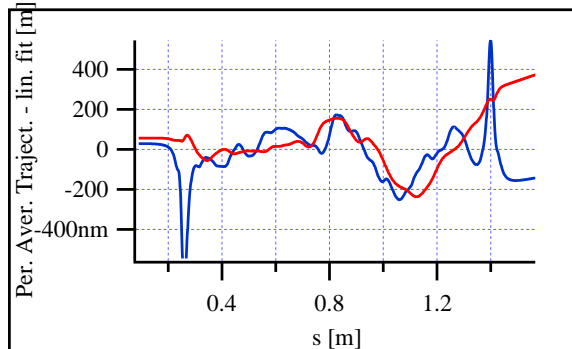
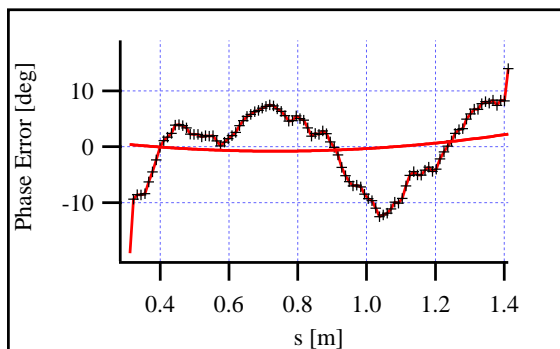
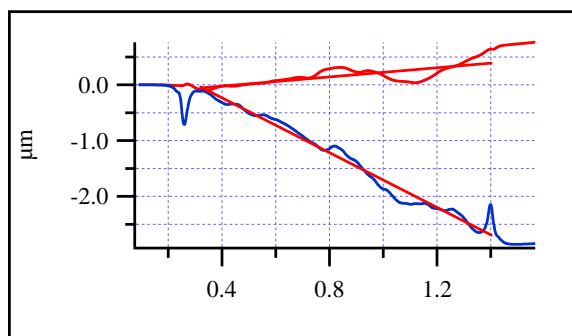
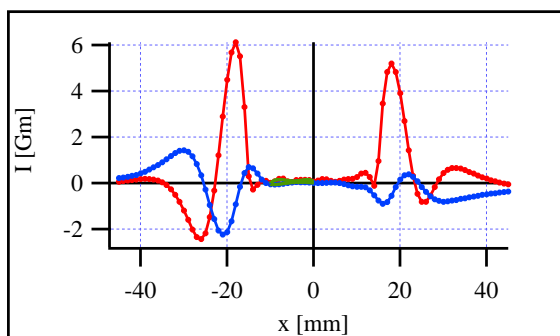
H Quadrupole : -10.6 G

 $\Pi_z(\text{sBz}): -0.3016 \text{ G m}^2$

H Sextupole : 115.0 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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