

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz255,Bx255,Izmes31,Ixmes31

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : 1 Peak Field Bx: 0.00154 T

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 52.5 %

Peak Field Bz: 0.40178 T

Undulator Period : 22.00+-0.04 mm

Delta Bz/Bz : 1.8 %

e-beam energy : 3 GeV

Bx Taper : 2.885 G/m

Krms : 0.584

V Dipole : -2.2 G cm

Iz(coil) : -1.9 G cm

V Quadrupole : -11.4 G

$$I_z(\text{BzC}): -1.9 \text{ Gcm} \quad I_z(\text{Bz}): 19.3 \text{ G cm}$$

V Sextupole : -88.1 G/cm

Ix(coil) : 4.5 G cm

$$I_x(B_xC) : 4.5 \text{ Gcm} \quad I_x(B_x) : 790.3 \text{ G cm}$$

H Dipole : 8.6 G cm

$$\Pi_X(sB_X) : 0.0603 \text{ G m}^2$$

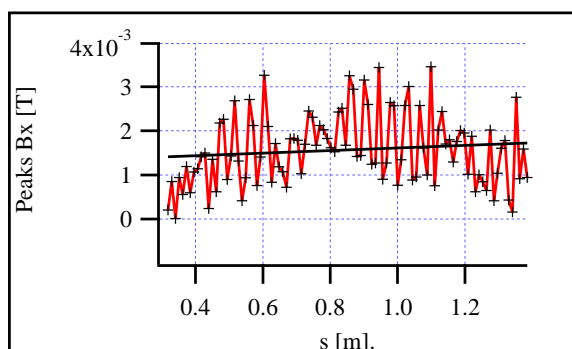
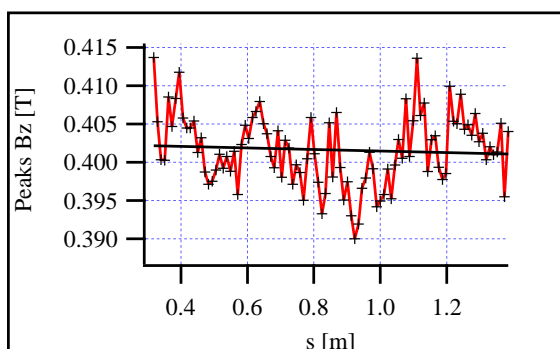
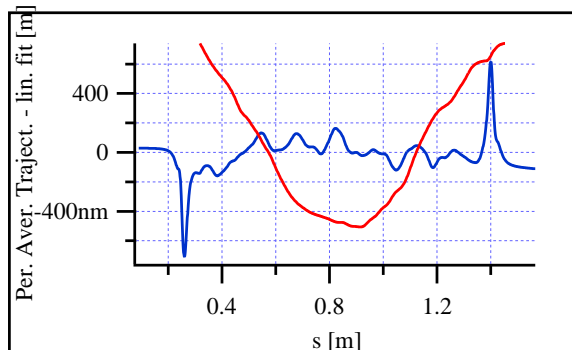
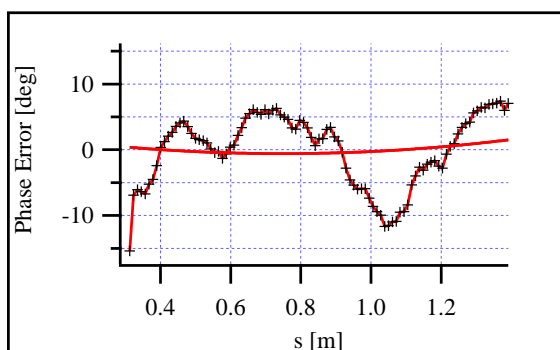
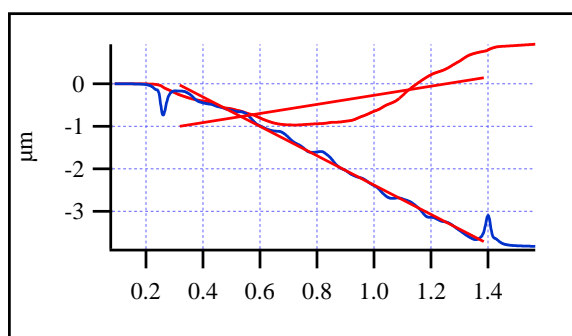
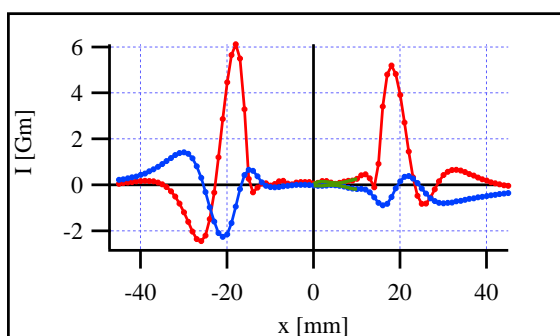
H Quadrupole : -8.6 G

 $\Pi_z(\text{sBz}): -0.3686 \text{ G m}^2$

H Sextupole : 102.5 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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