

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz163,Bx163,Izmes38,Ixmes38

Gap [mm] : 200

Phase [mm] : 9    Hall Z [mm] : 0    Peak Field Bx: 0.00598 T

Taper [mm] : 0    Hall X [mm]: 0    Delta Bx/Bx : 12.0 %

Peak Field Bz: 0.16688 T

Undulator Period : 22.00+-0.09 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 3.5 %

Bx Taper : 4.433 G/m

Krms : 0.243

V Dipole : -1.4 G cm

Iz(coil) : -1.6 G cm

V Quadrupole : -13.3 G

$$I_z(\text{BzC}): -1.6 \text{ Gcm} \quad I_z(\text{Bz}) : 20.4 \text{ G cm}$$

V Sextupole : 33.2 G/cm

$I_x(\text{coil}) : 12.1 \text{ G cm}$

$$I_x(B_xC) : 12.1 \text{ Gcm} \quad I_x(B_x) : 439.9 \text{ G cm}$$

H Dipole : 13.2 G cm

$$\Pi_X(sB_X) : 0.0074 \text{ G m}^2$$

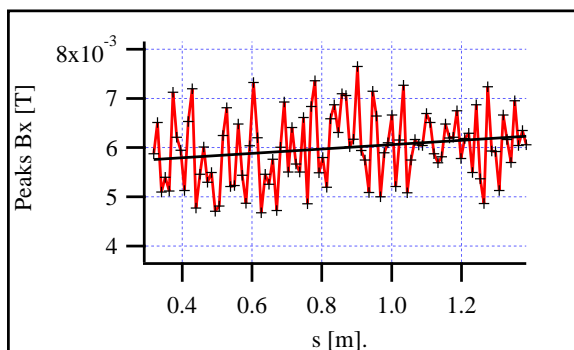
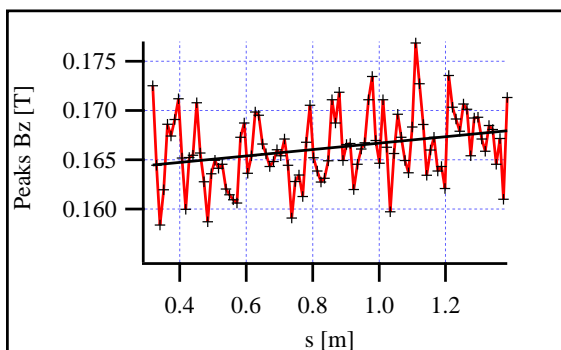
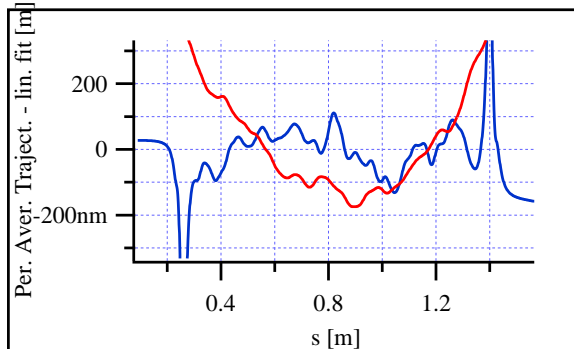
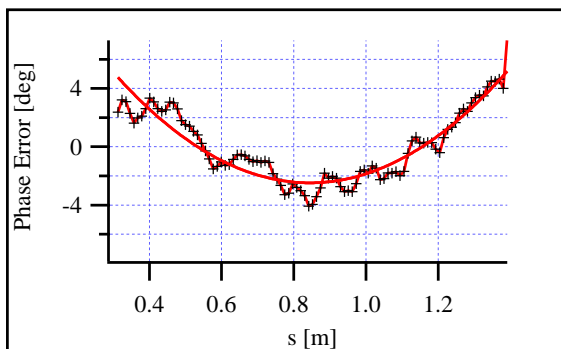
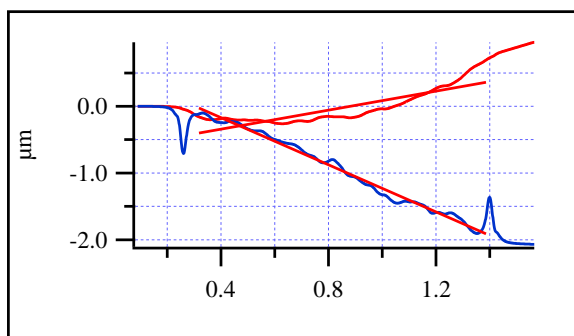
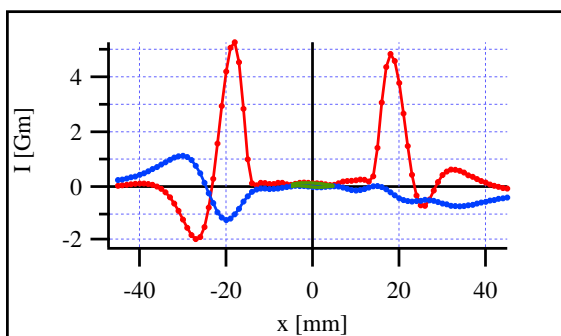
H Quadrupole : -7.1 G

 $\mu_z(sB_z): -0.1952 \text{ G m}^2$ 

H Sextupole : -29.6 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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