

# Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz167,Bx167,Izmes46,Ixmes46

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : 0 Peak Field Bx: 0.00403 T

Taper [mm] : 0    Hall X [mm]: 0    Delta B<sub>x</sub>/B<sub>x</sub> : 20.7 %

Peak Field Bz: 0.04017 T

Undulator Period : 21.98+-0.44 mm

e-beam energy : 3 GeV

Bx Taper : 3.747 G/m

Krms : 0.059

V Dipole : -0.9 G cm

Iz(coil) : -1.3 G cm

V Quadrupole : -14.1 G

$$I_z(\text{BzC}): -1.3 \text{ Gcm} \quad I_z(\text{Bz}): 0.2 \text{ G cm}$$

V Sextupole : 33.9 G/cm

 $I_x(\text{coil}) : 13.9 \text{ G cm}$ 
$$I_x(BxC) : 13.9 \text{ Gcm} \quad I_x(Bx) : -81.0 \text{ G cm}$$

H Dipole : 15.1 G cm

$$\Pi_X(sB_X) : 0.0107 \text{ G m}^2$$

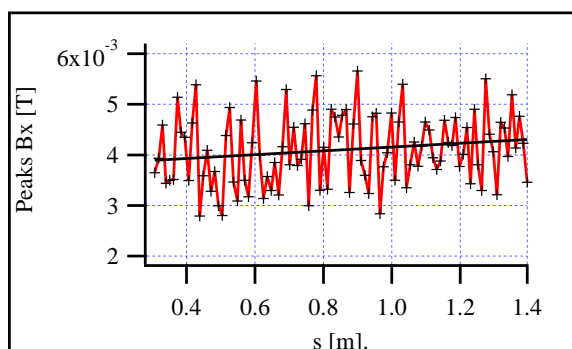
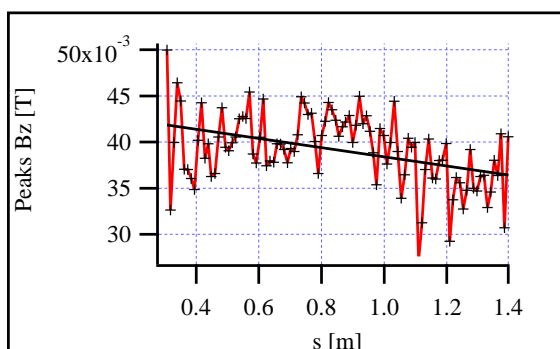
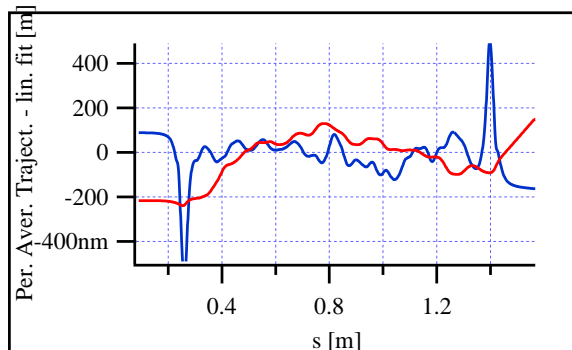
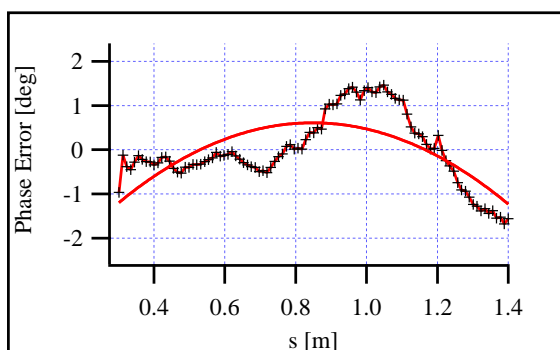
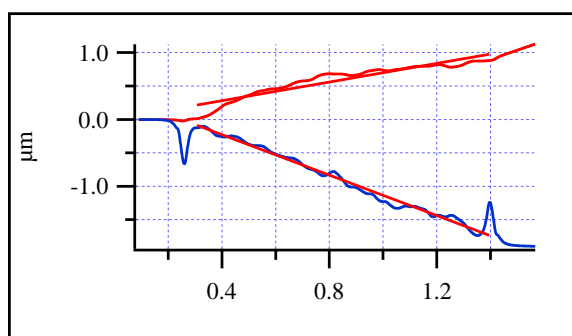
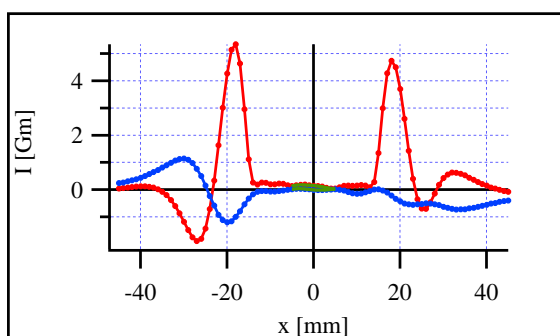
H Quadrupole : -15.8 G

 $\Pi_z(\text{sBz}): -0.1803 \text{ G m}^2$ 

H Sextupole : -32.3 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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