

# Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz187,Bx187,Izmes38,Ixmes38

Gap [mm] : 200

Phase [mm] : 9    Hall Z [mm] : 0    Peak Field Bx: 0.00696 T

Taper [mm] : 0    Hall X [mm]: -5    Delta B<sub>x</sub>/B<sub>x</sub> : 14.2 %

Peak Field Bz: 0.16545 T

Undulator Period : 22.00+-0.09 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 3.5 %

Bx Taper : 2.445 G/m

Krms : 0.241

V Dipole : 0.5 G cm

Iz(coil) : 0.2 G cm

V Quadrupole : 20.9 G

$$I_z(\text{BzC}): 0.3 \text{ G cm} \quad I_z(\text{Bz}): 13.3 \text{ G cm}$$

V Sextupole : -39.5 G/cm

$I_x(\text{coil}) : 6.8 \text{ G cm}$

$$I_x(BxC) : 6.8 \text{ Gcm} \quad I_x(Bx) : 419.2 \text{ G cm}$$

H Dipole : 9.3 G cm

$$\Pi_X(sB_X) : 0.0841 \text{ G m}^2$$

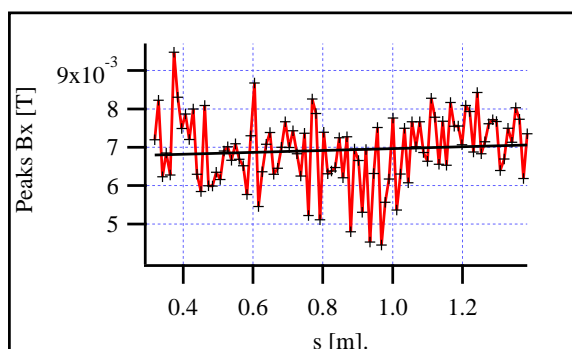
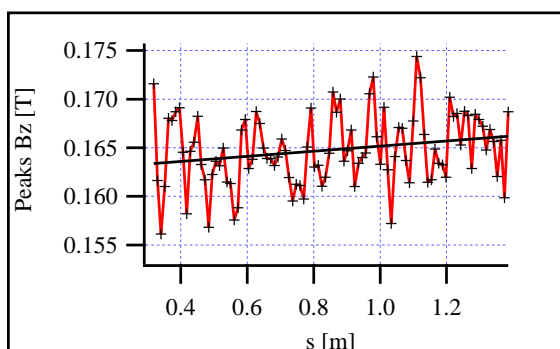
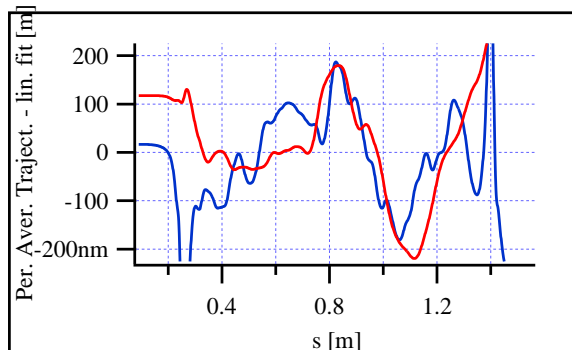
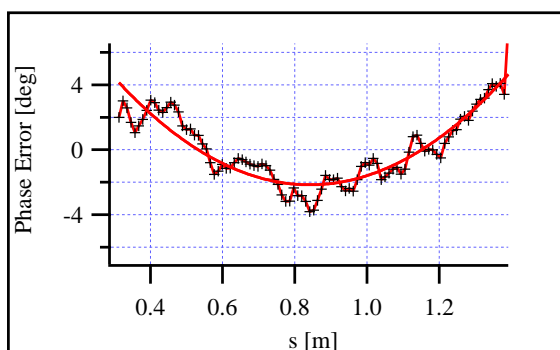
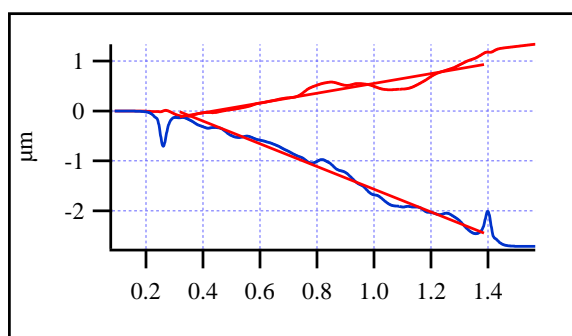
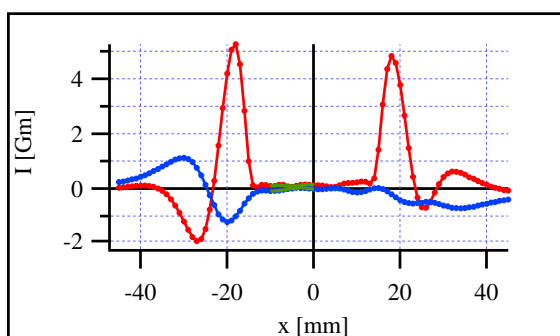
H Quadrupole : -0.3 G

 $\Pi_z(\text{sBz}): -0.2731 \text{ G m}^2$ 

H Sextupole : 67.4 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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