

# Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz151,Bx151,Izmes14,Ixmes14

Gap [mm] : 200

Phase [mm] : 3    Hall Z [mm] : 0    Peak Field Bx: 0.00815 T

Taper [mm] : 0    Hall X [mm]: 0    Delta Bx/Bx : 9.0 %

Peak Field Bz: 0.62803 T

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.2 %

e-beam energy : 3 GeV

Bx Taper : 4.231 G/m

Krms : 0.913

V Dipole : -6.3 G cm

Iz(coil) : -6.5 G cm

V Quadrupole : -14.7 G

$$I_z(\text{BzC}): -6.5 \text{ Gcm} \quad I_z(\text{Bz}): 34.5 \text{ G cm}$$

V Sextupole : 42.2 G/cm

$I_x(\text{coil}) : 12.0 \text{ G cm}$

$$I_x(B_xC) : 12.0 \text{ Gcm} \quad I_x(B_x) : 716.3 \text{ G cm}$$

H Dipole : 13.2 G cm

$$\Pi_X(sB_X) : 0.0145 \text{ G m}^2$$

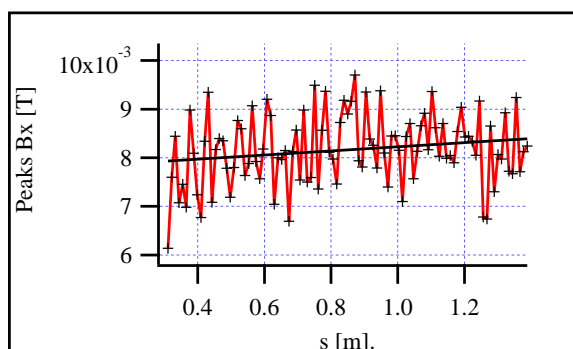
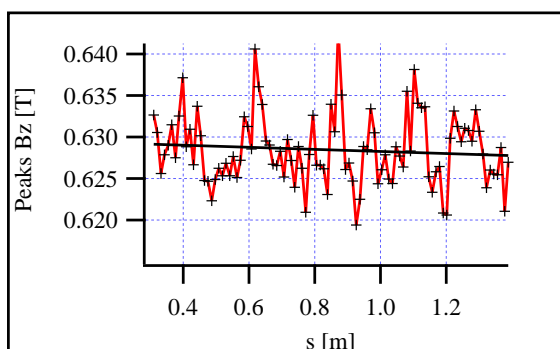
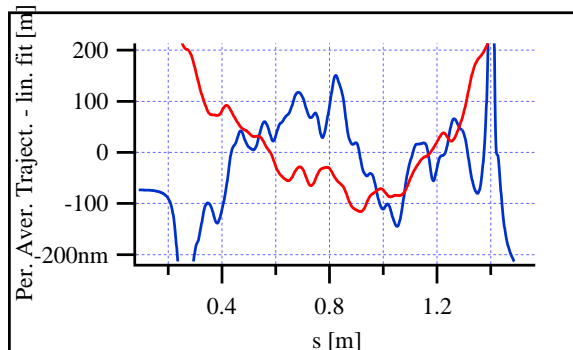
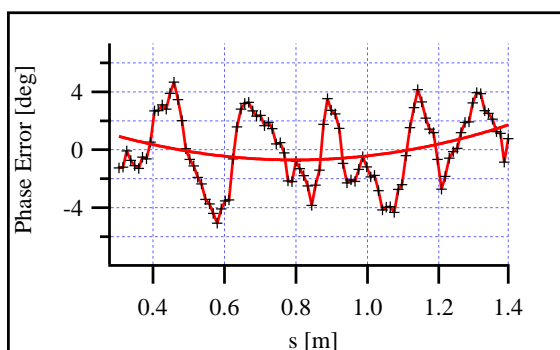
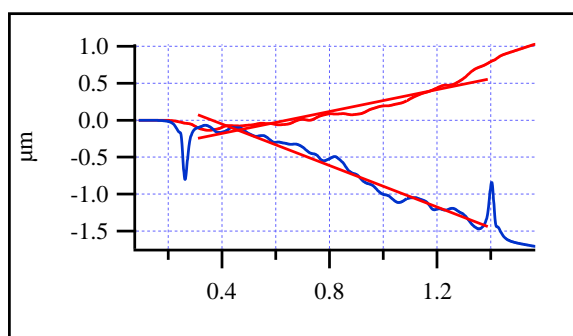
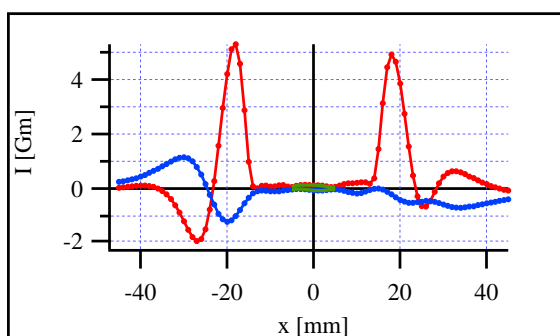
H Quadrupole : -6.3 G

 $\Pi_z(\text{sBz}): -0.1228 \text{ G m}^2$ 

H Sextupole : -26.5 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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