

# Kyma Analysis Report

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz131,Bx131,Izmes11,Ixmes11

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : -1 Peak Field Bx: 0.01856 T

Taper [mm] : 0    Hall X [mm]: 5    Delta Bx/Bx : 6.9 %

Peak Field Bz: 0.66459 T

Undulator Period : 22.00+-0.03 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.2 %

Bx Taper : -4.683 G/m

Krms : 0.966

V Dipole : -12.6 G cm

Iz(coil) : -12.9 G cm

V Quadrupole : -8.7 G

$$I_z(\text{BzC}): -12.9 \text{ Gcm} \quad I_z(\text{Bz}): 80.6 \text{ G cm}$$

V Sextupole : -76.0 G/cm

$I_x(\text{coil}) : -6.0 \text{ G cm}$

$$I_x(B_xC) : -6.0 \text{ Gcm} \quad I_x(B_x) : 815.8 \text{ G cm}$$

H Dipole : -6.2 G cm

$$\Pi_X(sB_X) : 0.3952 \text{ G m}^2$$

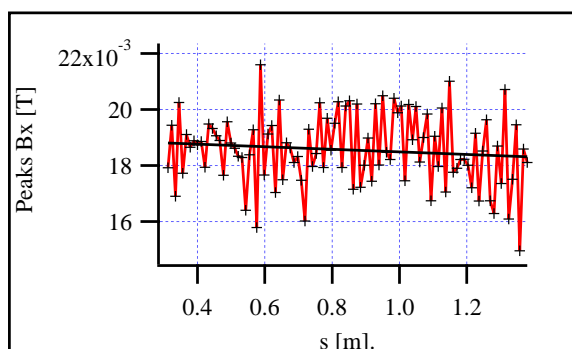
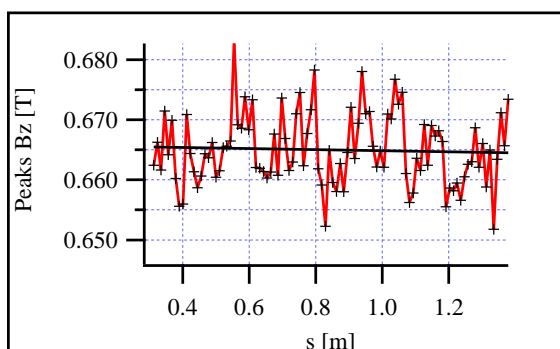
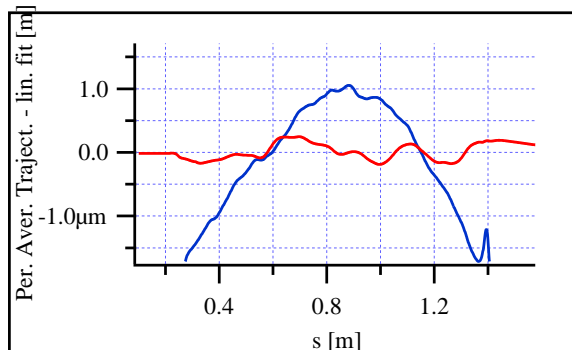
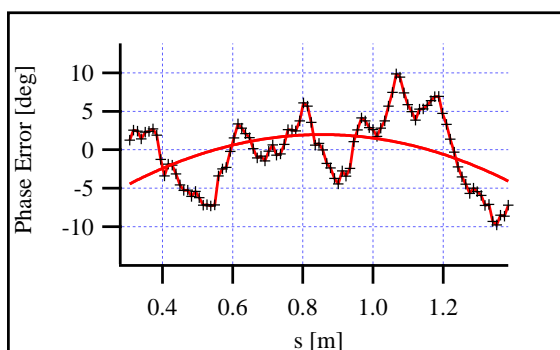
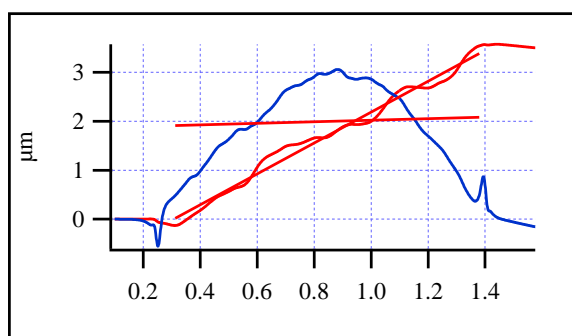
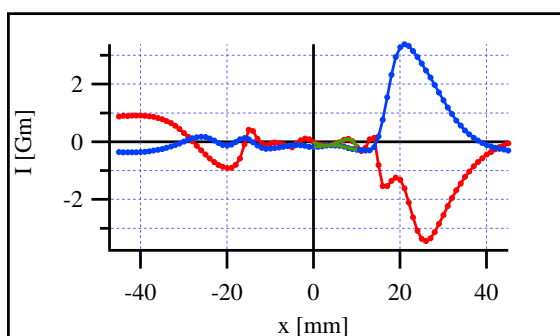
H Quadrupole : 54.4 G

 $\Pi_z(\text{sBz}): 0.0813 \text{ G m}^2$ 

H Sextupole : 92.3 G/cm

BzTrj RMS dev. : 0.8 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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