

# Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz107,Bx107,Izmes21,Ixmes21

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : -1 Peak Field Bx: 0.01230 T

Taper [mm] : 0    Hall X [mm]: 5    Delta Bx/Bx : 6.3 %

Peak Field Bz: 0.55542 T

Undulator Period : 22.00+-0.03 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.1 %

Bx Taper : 1.399 G/m

Krms : 0.807

V Dipole : 2.5 G cm

Iz(coil) : 2.9 G cm

V Quadrupole : 16.1 G

$$I_z(\text{BzC}): 2.9 \text{ G cm} \quad I_z(\text{Bz}): 39.9 \text{ G cm}$$

V Sextupole : -121.0 G/cm

$I_x(\text{coil}) : 6.2 \text{ G cm}$

$$I_x(BxC) : 6.2 \text{ Gcm} \quad I_x(Bx) : 883.0 \text{ G cm}$$

H Dipole : 8.0 G cm

$$\Pi_X(sB_X) : 0.1002 \text{ G m}^2$$

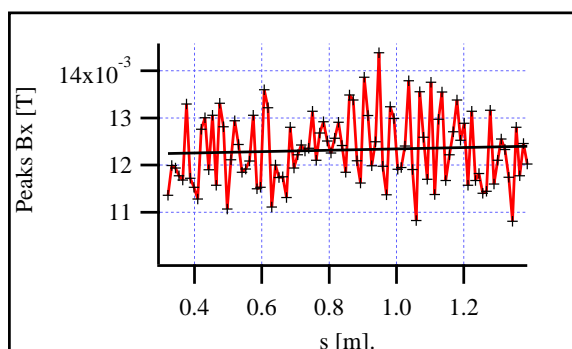
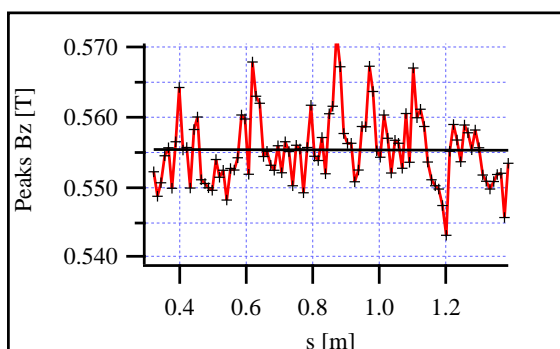
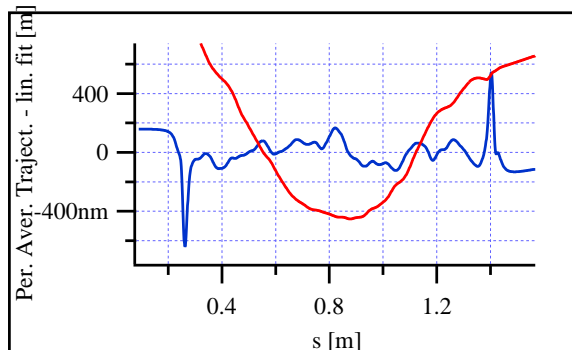
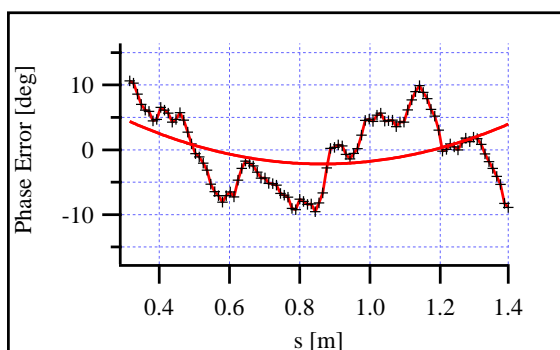
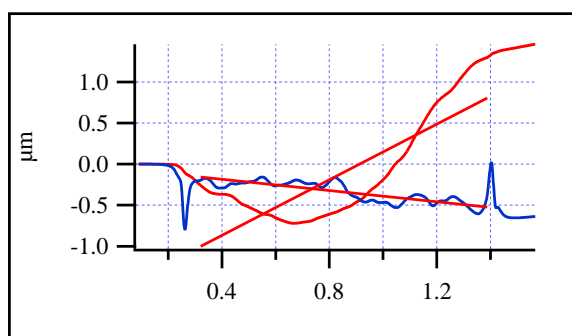
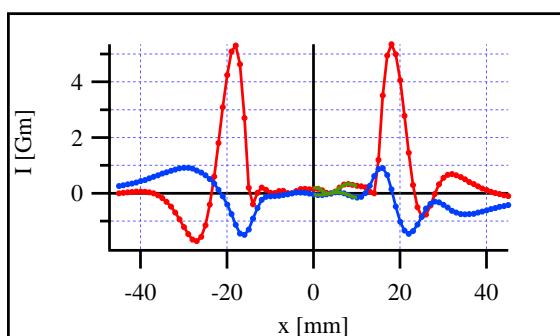
H Quadrupole : 106.4 G

 $\Pi_z(\text{sBz}): -0.0853 \text{ G m}^2$ 

H Sextupole : 199.9 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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