

# Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz239,Bx239,Izmes47,Ixmes47

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : 1 Peak Field Bx: 0.00128 T

Taper [mm] : 0    Hall X [mm]: 0    Delta Bx/Bx : 49.9 %

Peak Field Bz: 0.18189 T

Undulator Period : 22.00+-0.09 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 10.0 %

Bx Taper : 0.134 G/m

Krms : 0.264

V Dipole : 2.5 G cm

V Quadrupole : -10.9 G

V Sextupole : 28.7 G/cm

Iz(coil) : 2.4 G cm

$$I_z(\text{BzC}): 2.4 \text{ Gcm} \quad I_z(\text{Bz}): -11.0 \text{ G cm}$$
 $I_x(\text{coil}) : 6.9 \text{ G cm}$ 
$$I_x(BxC) : 6.9 \text{ Gcm} \quad I_x(Bx) : -85.6 \text{ G cm}$$

H Dipole : 10.8 G cm

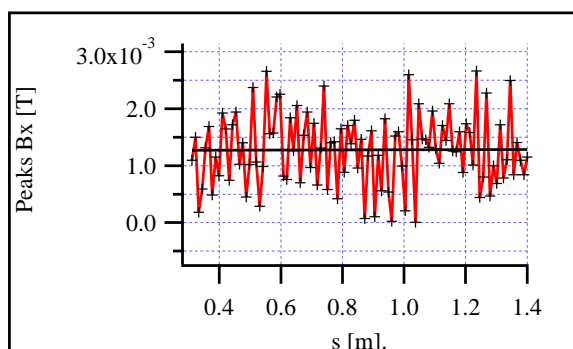
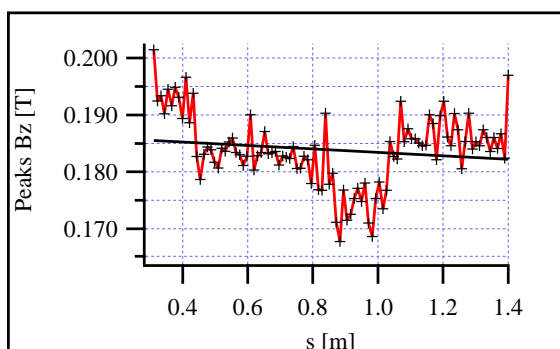
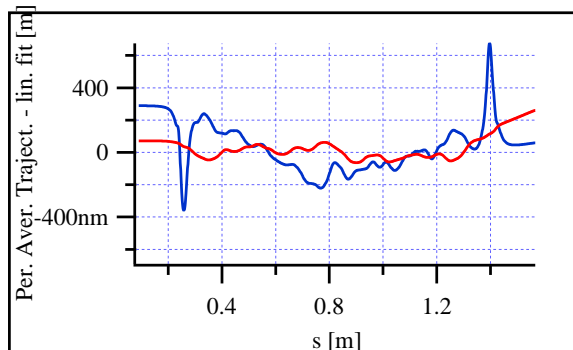
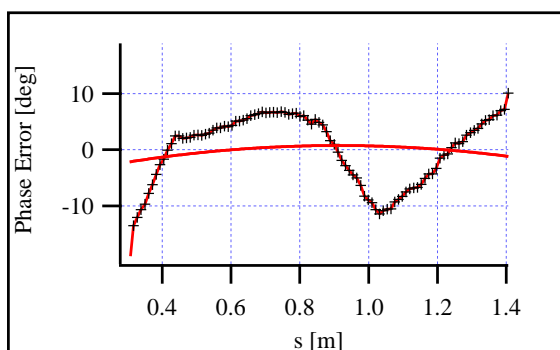
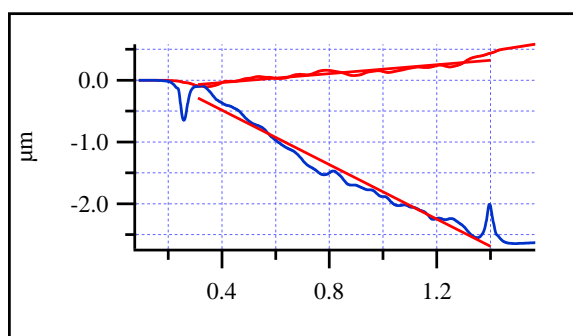
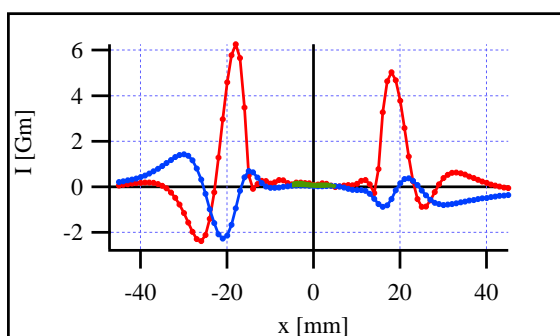
H Quadrupole : -5.3 G

H Sextupole : 89.7 G/cm

$$\Pi_X(sB_X) : 0.0079 \text{ G m}^2$$
 $\mu_z(sBz): -0.2803 \text{ G m}^2$ 

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.0 um



Kyma Srl

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