

# Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz241,Bx241,Izmes3,Ixmes3

Gap [mm] : 200

Phase [mm] : 0    Hall Z [mm] : 1    Peak Field Bx: 0.00407 T

Taper [mm] : 0    Hall X [mm]: 5    Delta B<sub>x</sub>/B<sub>x</sub> : 20.8 %

Peak Field Bz: 0.71865 T

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.0 %

e-beam energy : 3 GeV

Bx Taper : 3.613 G/m

Krms : 1.044

V Dipole : -5.4 G cm

Iz(coil) : -5.4 G cm

V Quadrupole : -9.4 G

$$I_z(\text{BzC}): -5.4 \text{ G cm} \quad I_z(\text{Bz}): 45.1 \text{ G cm}$$

V Sextupole : -99.4 G/cm

Ix(coil) : 1.5 G cm

$$I_x(B_xC) : 1.5 \text{ Gcm} \quad I_x(B_x) : 14.2 \text{ G cm}$$

H Dipole : 5.0 G cm

$$\Pi_X(sB_X) : 0.0993 \text{ G m}^2$$

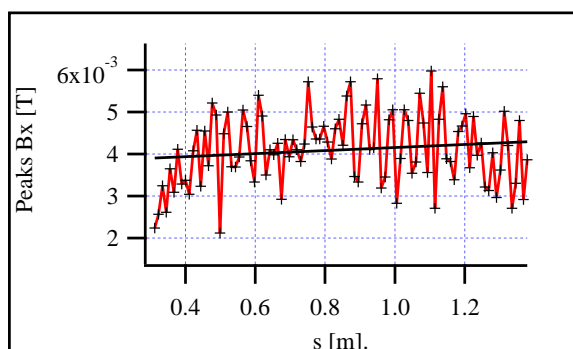
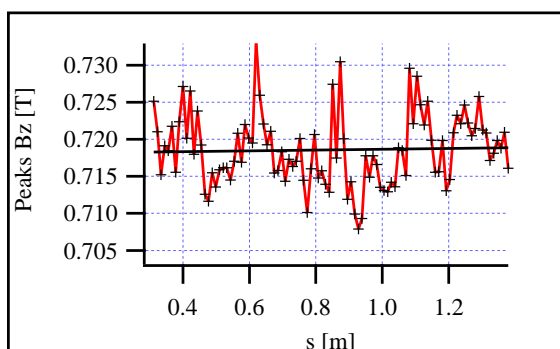
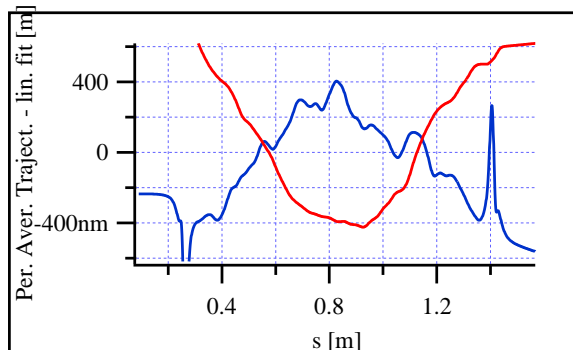
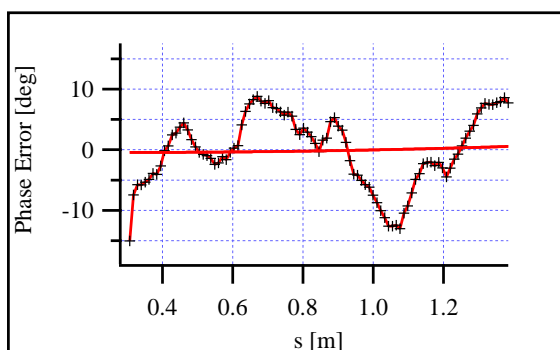
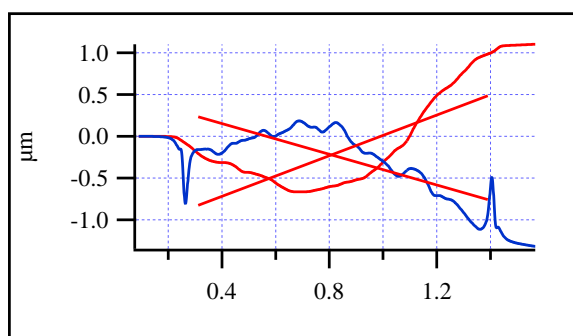
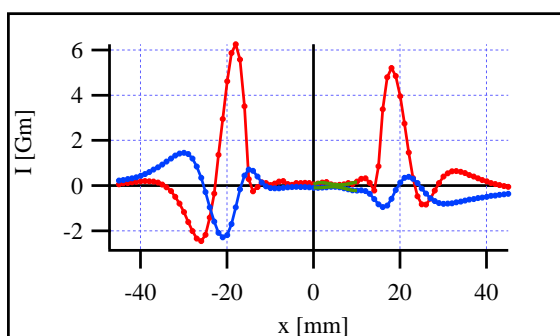
H Quadrupole : -19.1 G

 $\Pi_z(\text{sBz}): -0.0923 \text{ G m}^2$ 

H Sextupole : 85.7 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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