

# Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz283,Bx283,Izmes39,Ixmes39

Gap [mm] : 200

Phase [mm] : 9    Hall Z [mm] : 1    Peak Field Bx: 0.06807 T

Taper [mm] : 0    Hall X [mm]: 12    Delta Bx/Bx : 4.6 %

Peak Field Bz: 0.18926 T

Undulator Period : 22.00+-0.08 mm Delta Bz/Bz : 13.1 %

e-beam energy : 3 GeV

Bx Taper : -14.730 G/m

Krms : 0.292

V Dipole : -21.8 G cm

Iz(coil) : -20.0 G cm

V Quadrupole : -79.6 G

$$I_z(\text{BzC}): -20.0 \text{ Gcm} \quad I_z(\text{Bz}): -23.7 \text{ G cm}$$

V Sextupole : -375.3 G/cm

Ix(coil) : 38.6 G cm

$$I_x(B_xC) : 38.6 \text{ Gcm} \quad I_x(B_x) : 290.9 \text{ G cm}$$

H Dipole : 9.8 G cm

$$\Pi_X(sB_X) : 0.2094 \text{ G m}^2$$

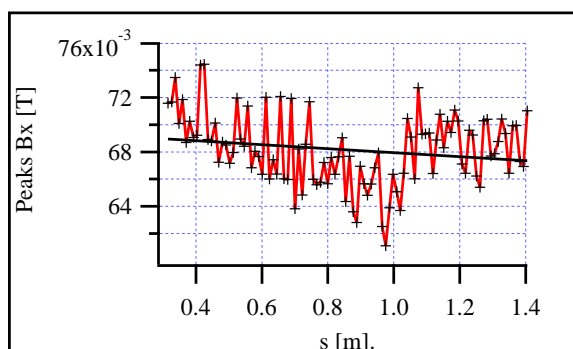
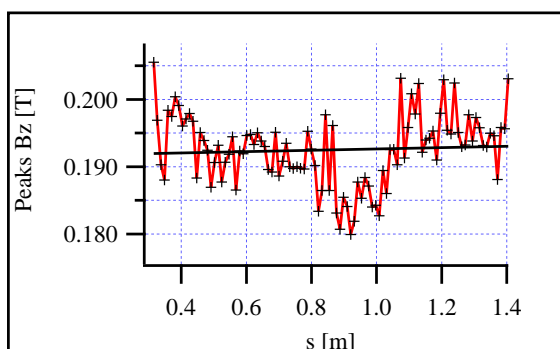
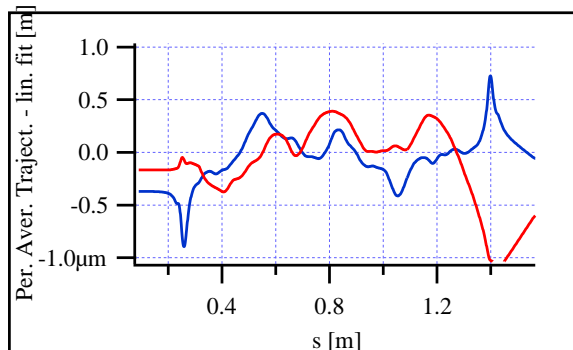
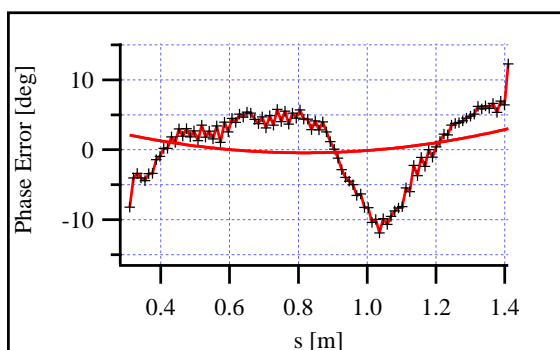
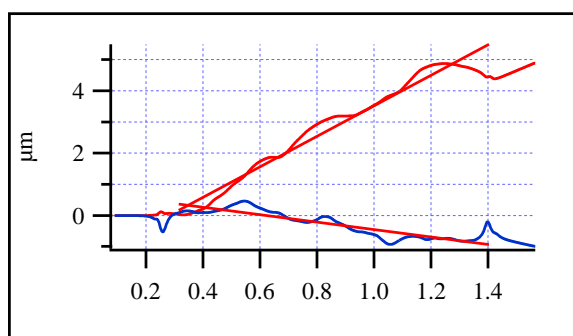
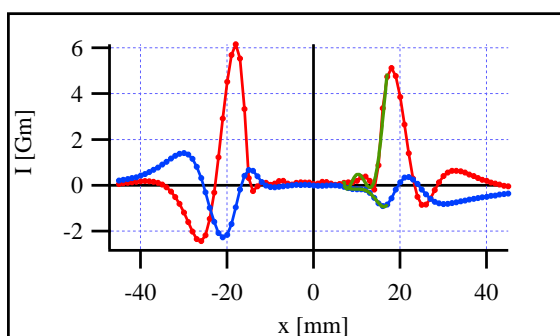
H Quadrupole : -310.6 G

 $\Pi_z(\text{sBz}): 0.0459 \text{ G m}^2$ 

H Sextupole : 490.1 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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