

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz367,Bx367,Izmes14,Ixmes14

Gap [mm] : 200

Phase [mm] : 3    Hall Z [mm] : 0    Peak Field Bx: 0.00181 T

Taper [mm] : 0    Hall X [mm]: -12 Delta Bx/Bx : 70.2 %

Peak Field Bz: 0.55671 T

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.3 %

e-beam energy : 3 GeV

Bx Taper : 8.090 G/m

Krms : 0.809

V Dipole : -7.1 G cm

Iz(coil) : -7.1 G cm

V Quadrupole : 4.2 G

$$I_z(\text{BzC}): -7.1 \text{ Gcm} \quad I_z(\text{Bz}): 16.2 \text{ G cm}$$

V Sextupole : -168.7 G/cm

$I_x(\text{coil}) : 10.8 \text{ G cm}$

$$I_x(B_xC) : 10.8 \text{ Gcm} \quad I_x(B_x) : 535.9 \text{ G cm}$$

H Dipole : -4.7 G cm

$$\Pi_X(sB_X) : -0.1417 \text{ G m}^2$$

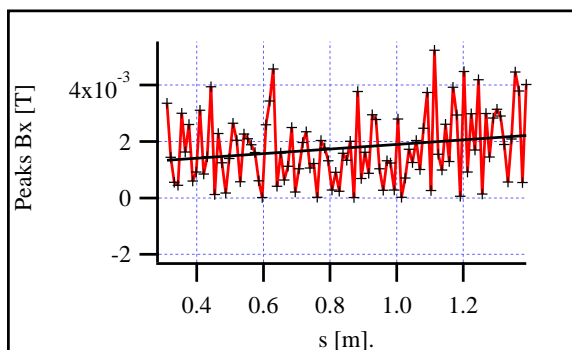
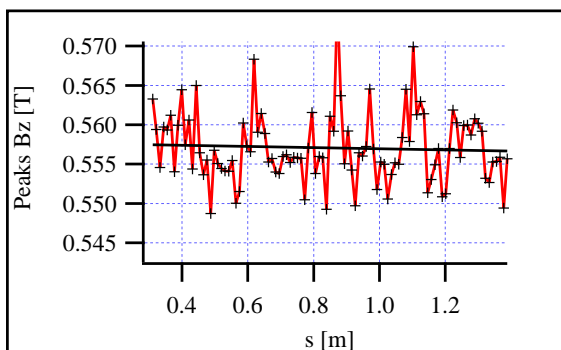
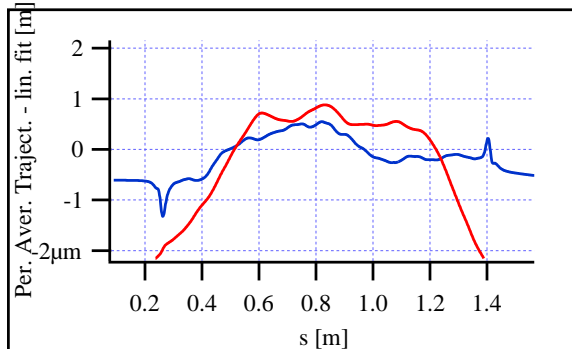
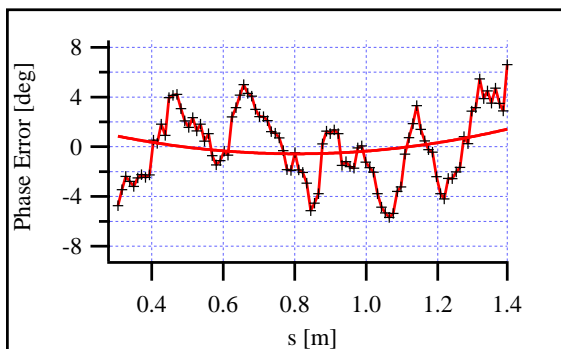
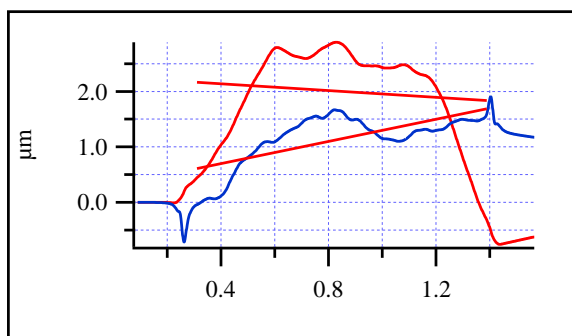
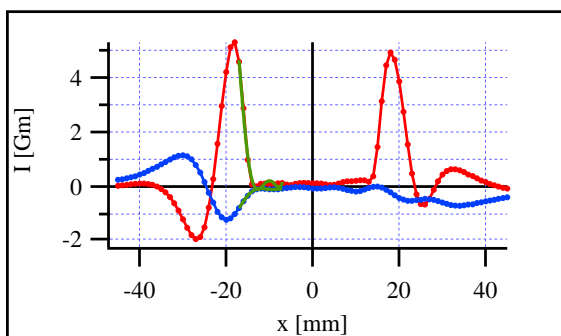
H Quadrupole : 147.2 G

 $\Pi_z(\text{sBz}): 0.1699 \text{ G m}^2$ 

H Sextupole : 630.1 G/cm

BzTrj RMS dev. : 0.3  $\mu\text{m}$

BxTrj RMS dev. : 0.8 um



Kyma Srl

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