

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz337,Bx337,Izmes1,Ixmes1

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : -1 Peak Field Bx: 0.03726 T

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 8.2 %

Peak Field Bz: 0.70211 T

Undulator Period : 22.00+-0.03 mm

e-beam energy : 3 GeV

Bx Taper : 7.869 G/m

Krms : 1.022

V Dipole : -34.3 G cm

Iz(coil) : -31.8 G cm

V Quadrupole : -16.9 G

$$I_z(\text{BzC}): -31.8 \text{ Gcm} \quad I_z(\text{Bz}): 41.5 \text{ G cm}$$

V Sextupole : 295.0 G/cm

$I_x(\text{coil}) : -26.1 \text{ G cm}$

$$I_x(B \times C) : -26.2 \text{ Gcm} \quad I_x(B \times) : -119.1 \text{ G cm}$$

H Dipole : -8.8 G cm

$$\Pi_X(sB_X) : 1.1848 \text{ G m}^2$$

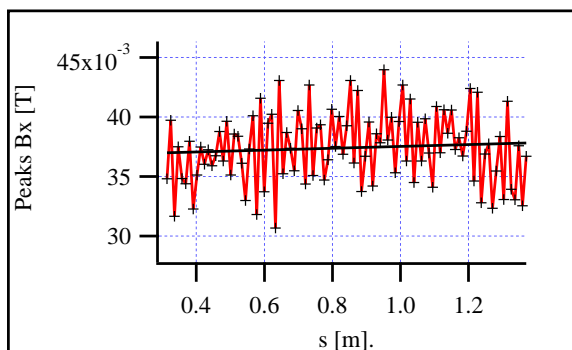
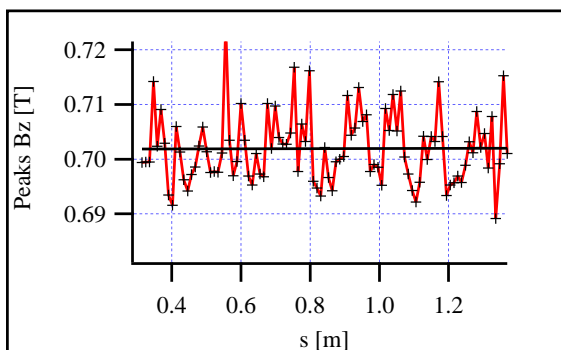
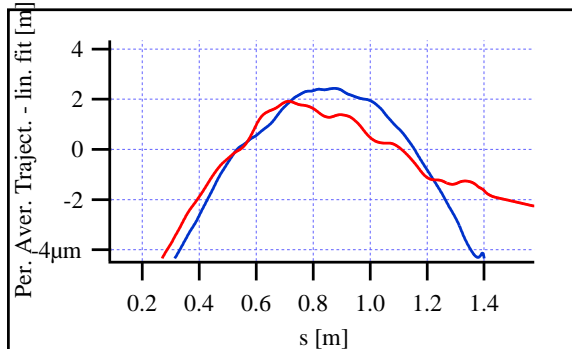
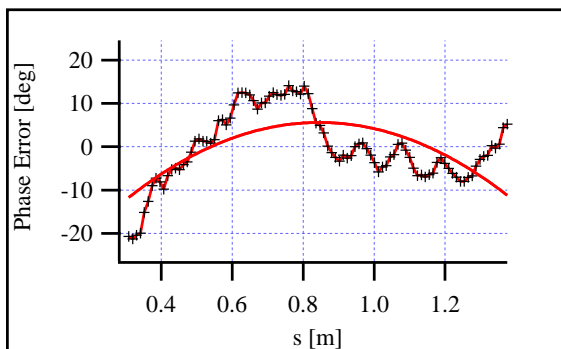
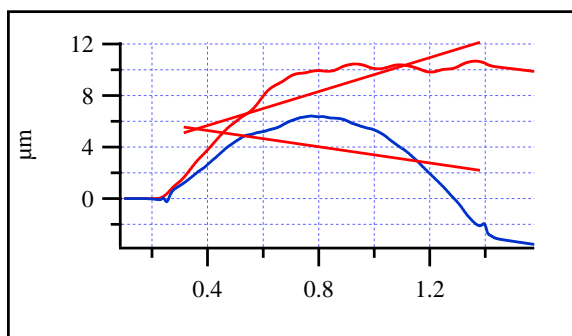
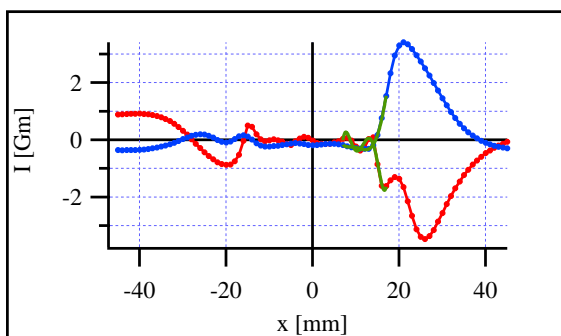
H Quadrupole : 240.7 G

 $\Pi_z(\text{sBz}): -0.1180 \text{ G m}^2$

H Sextupole : -460.6 G/cm

BzTrj RMS dev. : 2.1 um

BxTrj RMS dev. : 1.4 um



Kyma Srl

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