

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz291,Bx291,Izmes51,Ixmes51

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : 1 Peak Field Bx: 0.01080 T

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 24.8 %

Peak Field Bz: 0.62769 T

Undulator Period : 22.00+-0.02 mm

e-beam energy : 3 GeV

Bx Taper : -3.776 G/m

Krms : 0.912

V Dipole : -35.7 G cm

Iz(coil) : -34.7 G cm

V Quadrupole : -53.5 G

$$I_z(\text{BzC}): -34.7 \text{ Gcm} \quad I_z(\text{Bz}): 39.9 \text{ G cm}$$

V Sextupole : 521.6 G/cm

$I_x(\text{coil}) : -57.6 \text{ G cm}$

$$I_x(B_xC) : -57.6 \text{ Gcm} \quad I_x(B_x) : 84.6 \text{ G cm}$$

H Dipole : -46.0 G cm

$$\Pi_X(sB_X) : 1.1768 \text{ G m}^2$$

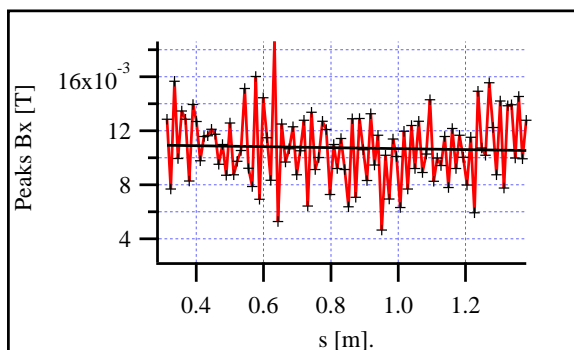
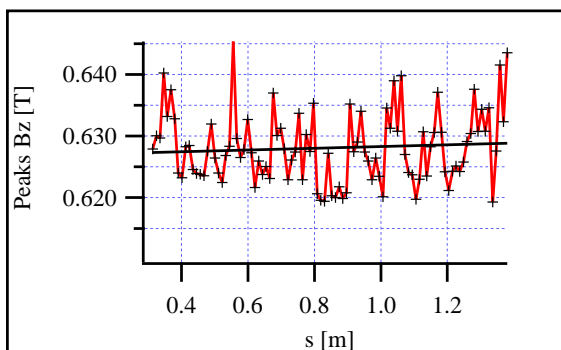
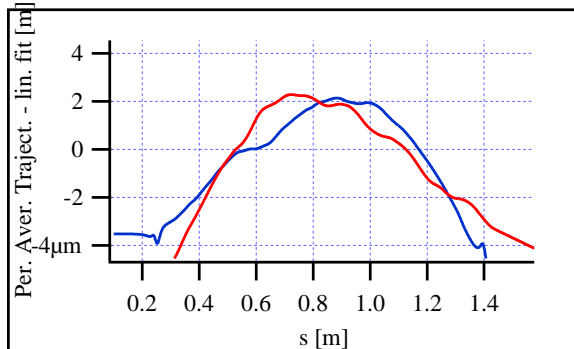
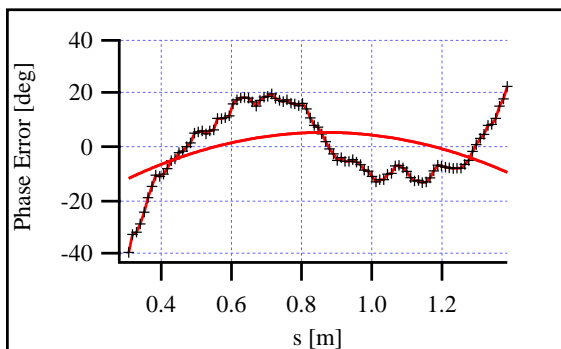
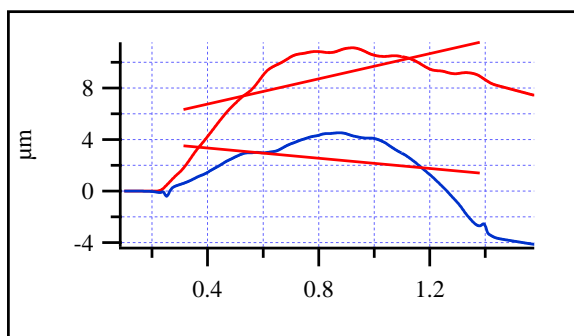
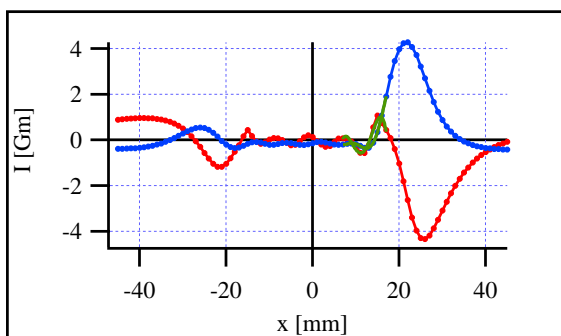
H Quadrupole : 245.8 G

 $\mu_z(\text{sBz}): -0.1537 \text{ G m}^2$

H Sextupole : 1302.2 G/cm

BzTrj RMS dev. : 1.7 um

BxTrj RMS dev. : 1.8 um



Kyma Srl

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