

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz425,Bx425,Izmes65,Ixmes65

Gap [mm] : 200

Phase [mm] : 8 Hall Z [mm] : 1 Peak Field Bx: 0.03074 T

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 9.1 %

Peak Field Bz: 0.26563 T

Undulator Period : 22.00+-0.07 mm Delta Bz/Bz : 1.8 %

e-beam energy : 3 GeV

Bx Taper : -1.963 G/m

Krms : 0.389

V Dipole : -7.6 G cm

Iz(coil) : -7.2 G cm

V Quadrupole : -38.6 G

$$I_z(\text{BzC}): -7.2 \text{ Gcm} \quad I_z(\text{Bz}) : 30.6 \text{ G cm}$$

V Sextupole : -84.1 G/cm

$I_x(\text{coil}) : -22.4 \text{ G cm}$

$$I_x(BxC) : -22.5 \text{ Gcm} \quad I_x(Bx) : 477.2 \text{ G cm}$$

H Dipole : -18.8 G cm

$$\Pi_X(sB_X) : 0.2520 \text{ G m}^2$$

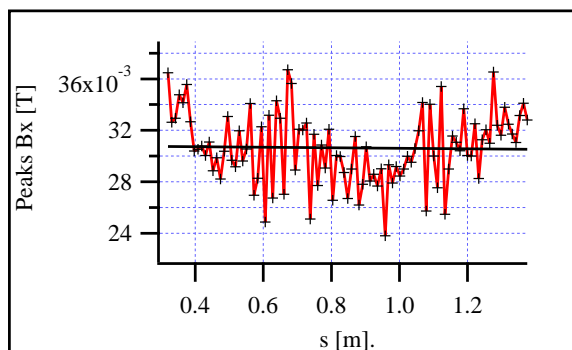
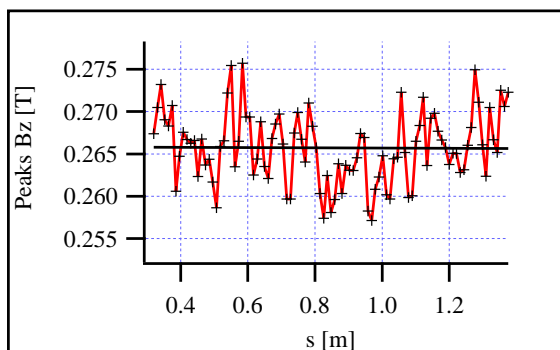
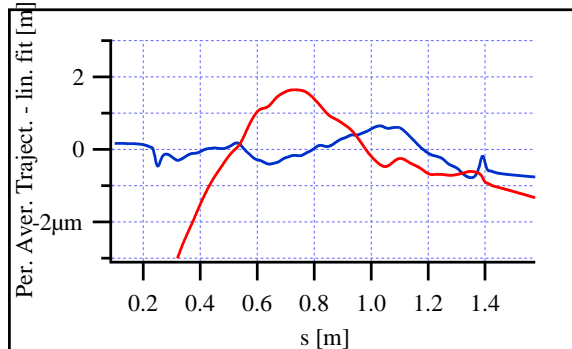
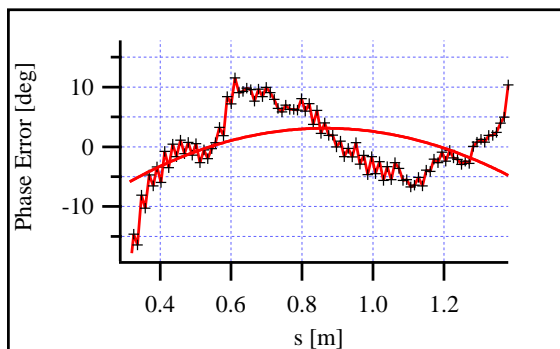
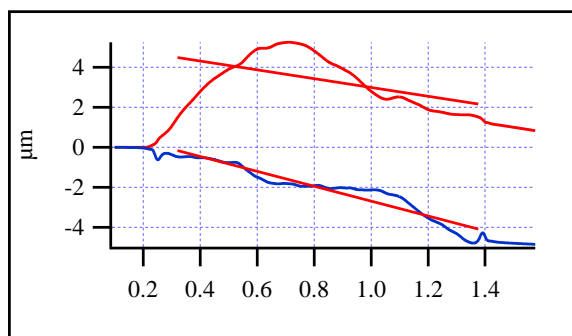
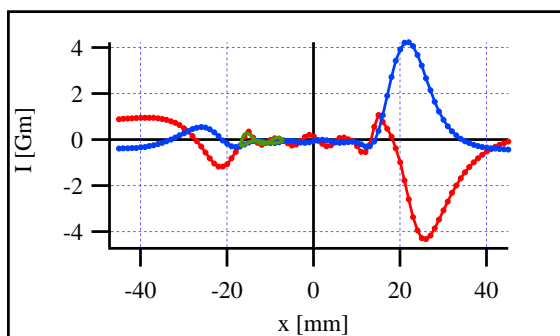
H Quadrupole : -30.2 G

 $\Pi_z(\text{sBz}): -0.4312 \text{ G m}^2$

H Sextupole : 580.3 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 1.1 um



Kyma Srl

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