

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz195,Bx195,Izmes27,Ixmes27

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : 0 Peak Field Bx: 0.00728 T

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 13.3 %

Peak Field Bz: 0.70371 T

Undulator Period : 22.00+-0.02 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.2 %

Bx Taper : 0.461 G/m

Krms : 1.023

V Dipole : -17.5 G cm

Iz(coil) : -17.5 G cm

V Quadrupole : -3.2 G

$$I_z(\text{BzC}): -17.5 \text{ Gcm} \quad I_z(\text{Bz}): 79.2 \text{ G cm}$$

V Sextupole : -55.9 G/cm

$I_x(\text{coil}) : -16.7 \text{ G cm}$

$$I_x(BxC) : -16.7 \text{ Gcm} \quad I_x(Bx) : 99.1 \text{ G cm}$$

H Dipole : -14.4 G cm

$$\Pi_X(sB_X) : 0.0259 \text{ G m}^2$$

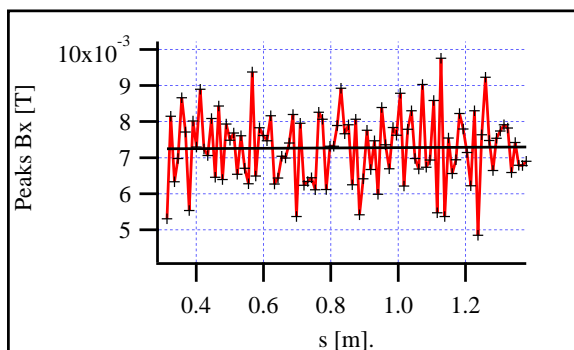
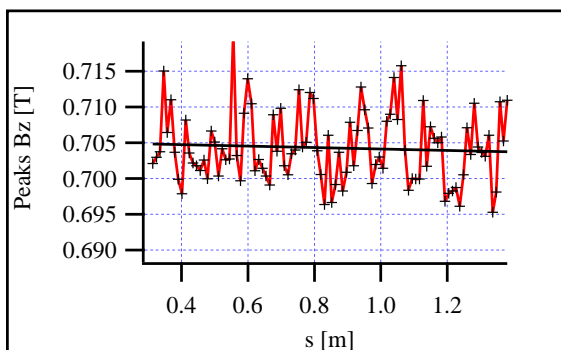
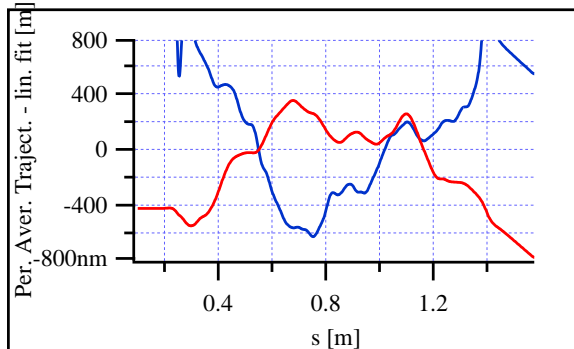
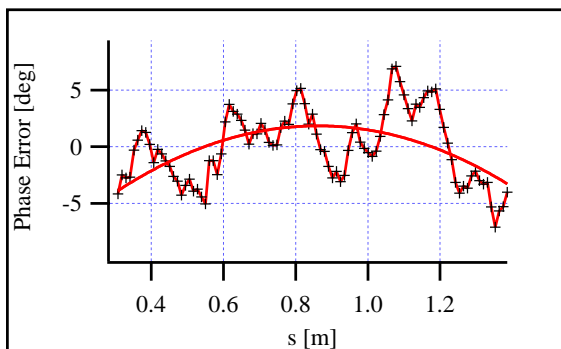
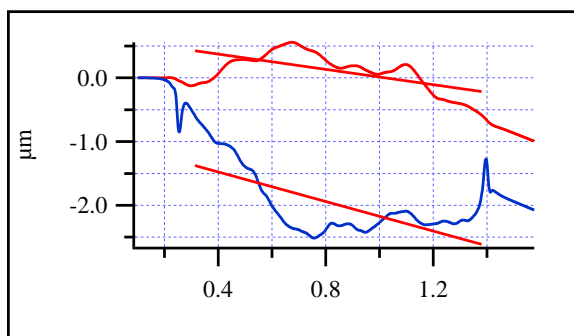
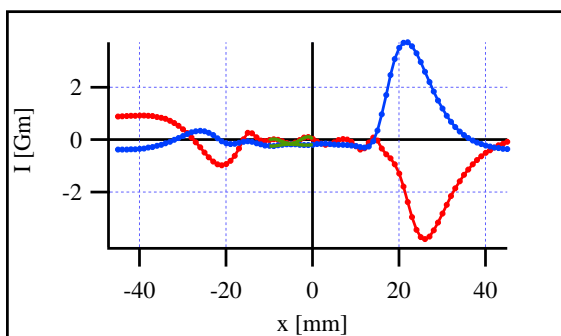
H Quadrupole : 10.1 G

 $\mu_z(\text{sBz}): -0.0759 \text{ G m}^2$

H Sextupole : 267.3 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.2 um



Kyma Srl

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