

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz171,Bx171,Izmes27,Ixmes27

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : 0 Peak Field Bx: 0.00852 T

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 10.3 %

Peak Field Bz: 0.70884 T

Undulator Period : 22.00+-0.02 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.2 %

Bx Taper : -2.538 G/m

Krms : 1.030

V Dipole : -18.8 G cm

Iz(coil) : -19.3 G cm

V Quadrupole : 19.4 G

$$I_z(\text{BzC}): -19.4 \text{ Gcm} \quad I_z(\text{Bz}): 80.2 \text{ G cm}$$

V Sextupole : 20.3 G/cm

$I_x(\text{coil}) : 3.1 \text{ G cm}$

$$I_x(B_x C) : 3.1 \text{ G cm} \quad I_x(B_x) : 127.2 \text{ G cm}$$

H Dipole : 3.0 G cm

$$\Pi_X(sB_X) : 0.0886 \text{ G m}^2$$

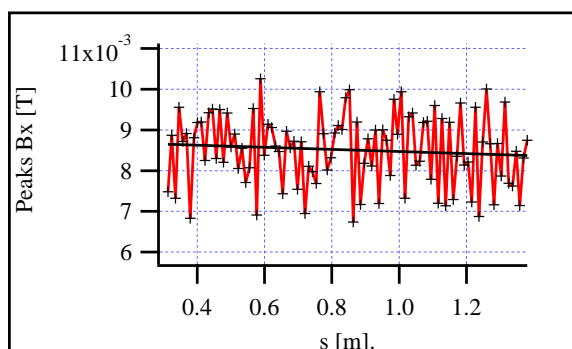
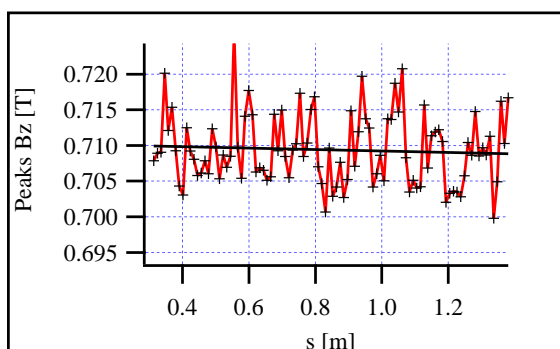
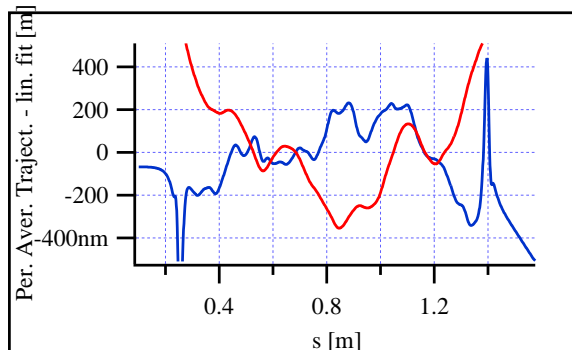
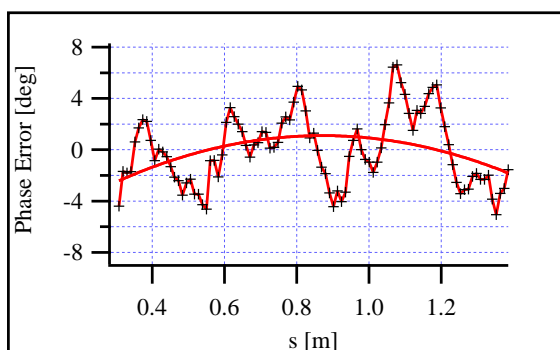
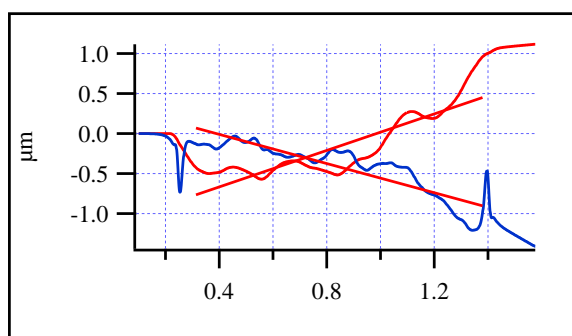
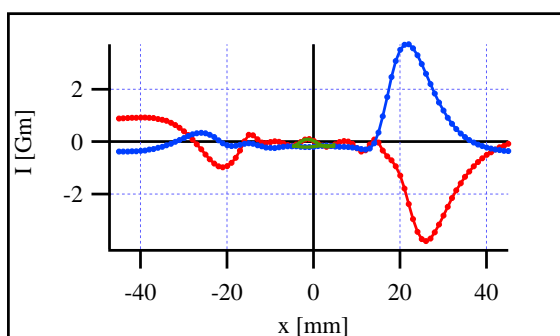
H Quadrupole : -83.2 G

 $\mu_z(\text{sBz}): 0.0038 \text{ G m}^2$

H Sextupole : -187.0 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.2 um



Kyma Srl

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