

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM\_20200508

Waves analysed : Bz293,Bx293,Izmes53,Ixmes53

Gap [mm] : 200

Phase [mm] : 2    Hall Z [mm] : 1    Peak Field Bx: 0.00817 T

Taper [mm] : 0    Hall X [mm]: 12    Delta Bx/Bx : 32.4 %

Peak Field Bz: 0.60969 T

Undulator Period : 22.00+-0.02 mm

e-beam energy : 3 GeV

Bx Taper : -3.305 G/m

Krms : 0.886

V Dipole : -35.1 G cm

Iz(coil) : -34.1 G cm

V Quadrupole : -47.9 G

$$I_z(\text{BzC}): -34.1 \text{ Gcm} \quad I_z(\text{Bz}): 35.1 \text{ G cm}$$

V Sextupole : 514.6 G/cm

$I_x(\text{coil}) : -56.4 \text{ G cm}$

$$I_x(BxC) : -56.5 \text{ Gcm} \quad I_x(Bx) : 272.1 \text{ G cm}$$

H Dipole : -44.9 G cm

$$\Pi_X(sB_X) : 1.1770 \text{ G m}^2$$

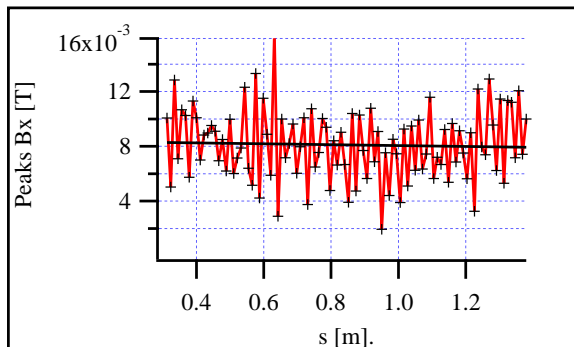
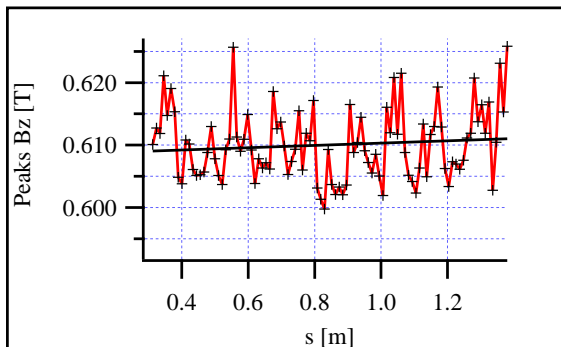
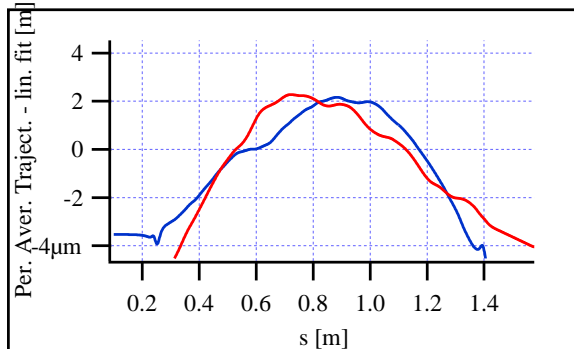
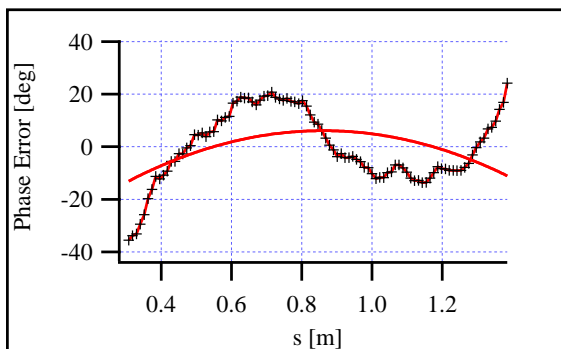
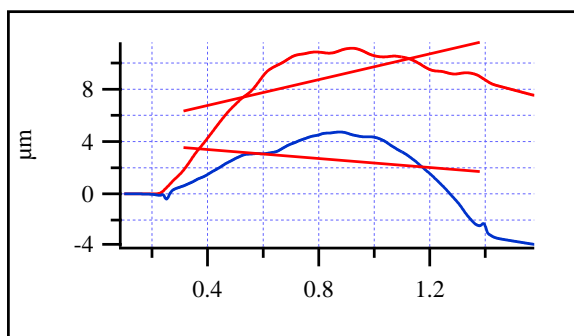
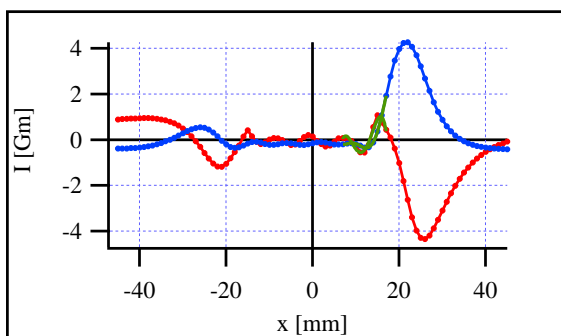
H Quadrupole : 243.1 G

$\Pi_z(sB_z)$ : -0.1303 G m<sup>2</sup>

H Sextupole : 1295.8 G/cm

BzTrj RMS dev. : 1.7 um

BxTrj RMS dev. : 1.8 um



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