

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz329,Bx329,Izmes41,Ixmes41

Gap [mm] : 200

Phase [mm] : 8 Hall Z [mm] : 0 Peak Field Bx: 0.05231 T

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 5.5 %

Peak Field Bz: 0.28173 T

Undulator Period : 22.00+/-0.05 mm Delta Bz/Bz : 1.6 %

e-beam energy : 3 GeV

Bx Taper : -9.906 G/m

Krms : 0.416

V Dipole : -26.5 G cm

Iz(coil) : -25.0 G cm

V Quadrupole : 0.3 G

$$I_z(\text{BzC}): -25.0 \text{ Gcm} \quad I_z(\text{Bz}) : 12.0 \text{ G cm}$$

V Sextupole : 426.6 G/cm

$I_x(\text{coil}) : -30.0 \text{ G cm}$

$$I_x(B_xC) : -30.0 \text{ Gcm} \quad I_x(B_x) : 485.7 \text{ G cm}$$

H Dipole : -22.9 G cm

$$\Pi_X(sB_X) : 1.2092 \text{ G m}^2$$

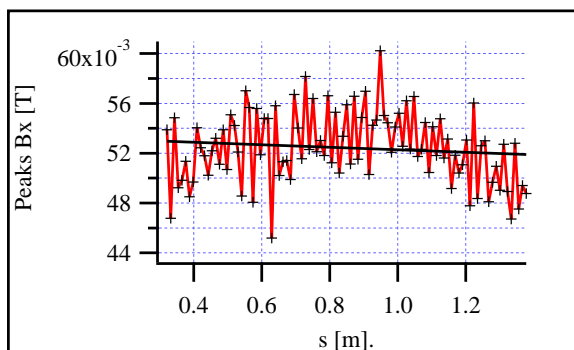
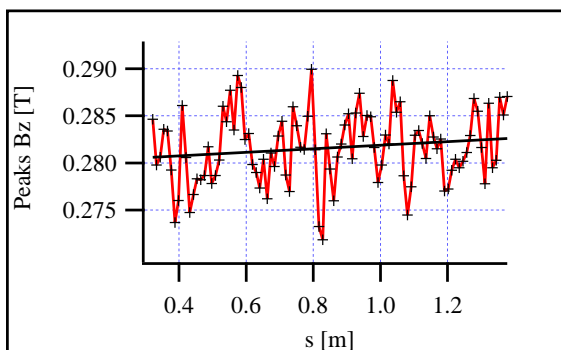
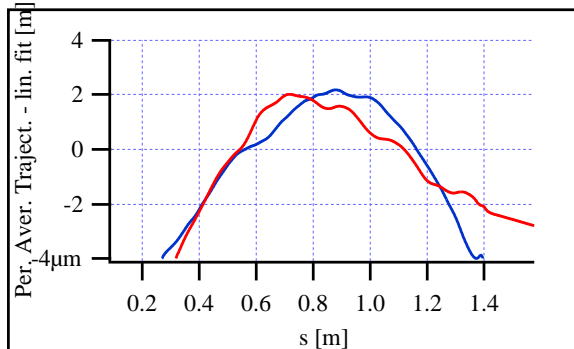
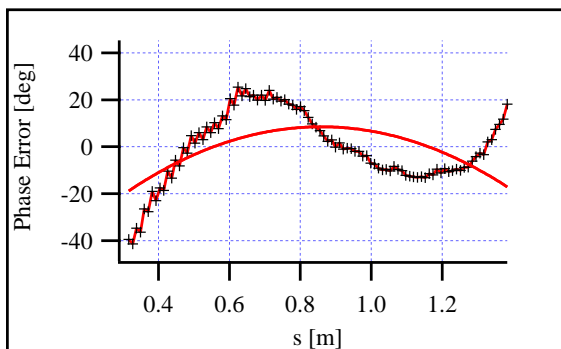
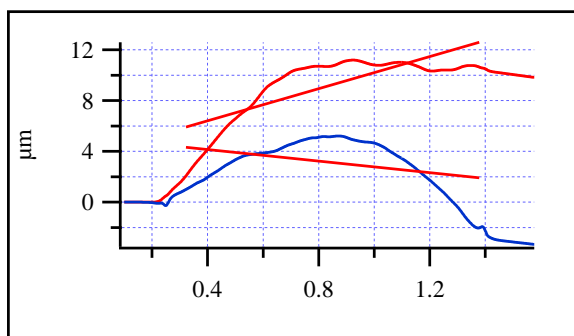
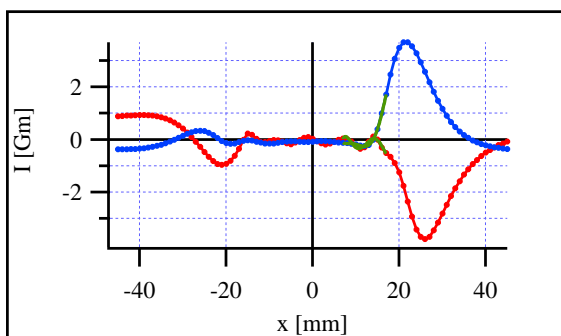
H Quadrupole : 153.6 G

 $\Pi_z(\text{sBz}): -0.1449 \text{ G m}^2$

H Sextupole : 278.7 G/cm

BzTrj RMS dev. : 1.8 um

BxTrj RMS dev. : 1.5 um



Kyma Srl

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