

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz377,Bx377,Izmes17,Ixmes17

Gap [mm] : 200

Phase [mm] : 8 Hall Z [mm] : -1 Peak Field Bx: 0.09571 T

RMS Phase Error : 7.56 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 2.5 %

Fund. En. (B2E) : 2846.0 eV = 0.4 nm

Peak Field Bz: 0.39570 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.06 mm Delta Bz/Bz : 1.6 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -10.195 G/m

Bz Taper : -6.537 G/m

Krms : 0.592

V Dipole : -18.2 G cm

Iz(coil) : -18.7 G cm

Pred. C.C. currents

V Quadrupole : -53.1 G

$$I_z(\text{BzC}): -18.8 \text{ Gcm} \quad I_z(\text{Bz}) : -2.5 \text{ G cm}$$

I1 : 0.5408 A

V Sextupole : 205.5 G/cm

$I_x(\text{coil}) : -10.8 \text{ G cm}$

I2 : -2.2238 A

$$I_x(B \times C) : -10.8 \text{ Gcm} \quad I_x(B \times) : 486.9 \text{ G cm}$$

H Dipole : -5.3 G cm

$$\Pi_X(sB_X) : 0.4020 \text{ G m}^2$$

I3 : 1.6165 A

H Quadrupole : -152.9 G

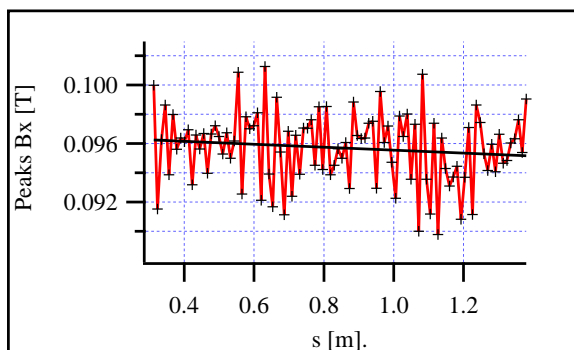
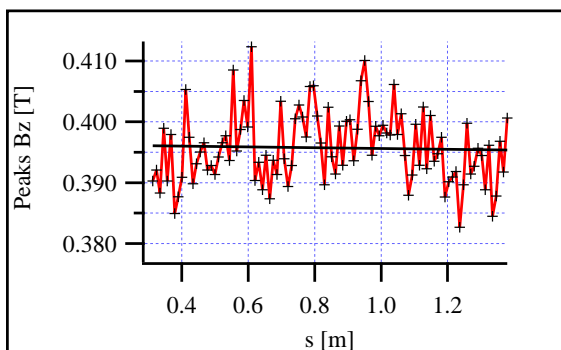
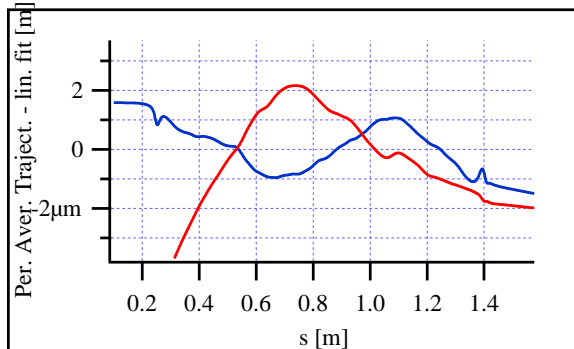
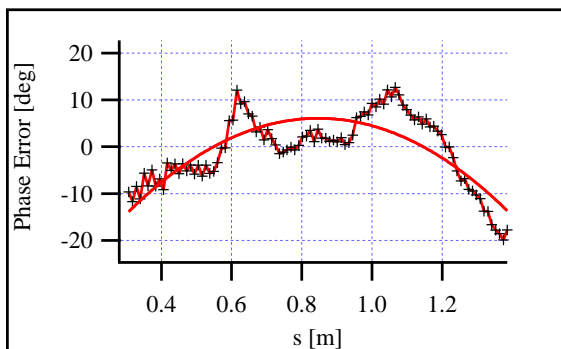
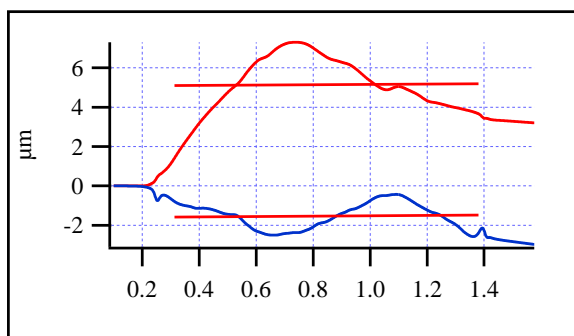
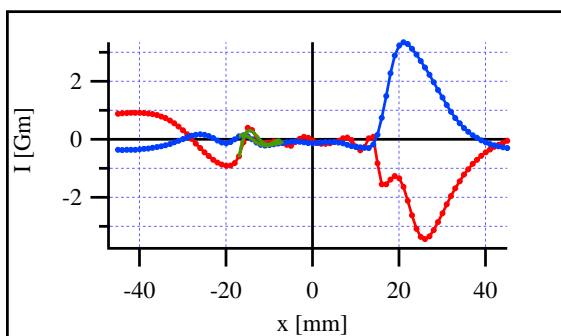
 $\text{IIz(sBz): } -0.1566 \text{ G m}^2$

I4 : 1.3406 A

H Sextupole : 327.6 G/cm

BzTrj RMS dev. : 0.6 um

BxTrj RMS dev. : 1.4 um



Kyma Srl

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