

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz363,Bx363,Izmes3,Ixmes3

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : -1 Peak Field Bx: 0.05706 T

RMS Phase Error : 6.36 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 4.4 %

Fund. En. (B2E) : 1925.0 eV = 0.6 nm

Peak Field Bz: 0.68442 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.4 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -20.826 G/m

Bz Taper : -12.101 G/m

Krms : 0.998

V Dipole : -18.4 G cm

Iz(coil) : -19.2 G cm

Pred. C.C. currents

V Quadrupole : -66.4 G

$$I_z(\text{BzC}): -19.2 \text{ Gcm} \quad I_z(\text{Bz}): 23.7 \text{ G cm}$$

I1 : 0.3234 A

V Sextupole : 204.9 G/cm

$I_x(\text{coil}) : 0.2 \text{ G cm}$

I2 : -2.4578 A

$$I_x(B_xC) : 0.2 \text{ Gcm} \quad I_x(B_x) : 159.1 \text{ G cm}$$

H Dipole : 6.4 G cm

$$\Pi_X(sB_X) : 0.3674 \text{ G m}^2$$

I3 : 1.2175 A

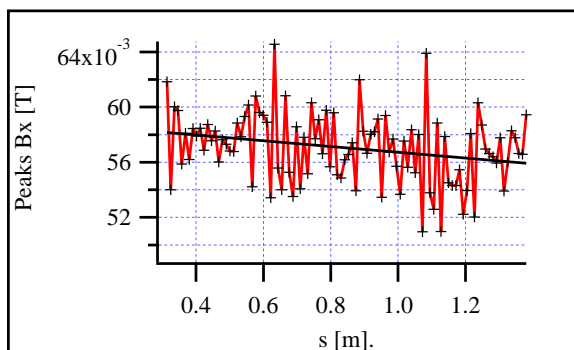
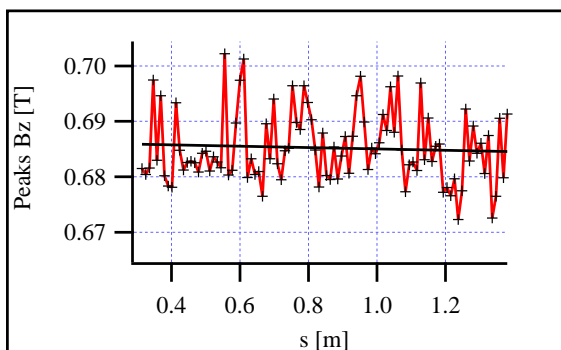
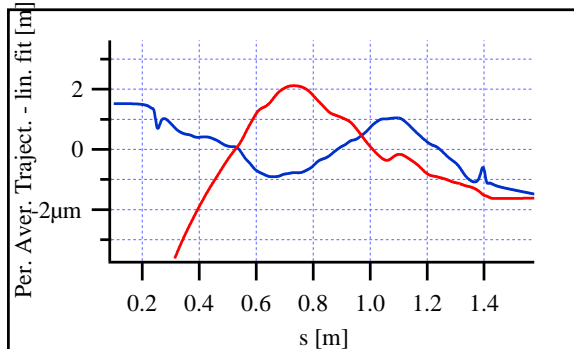
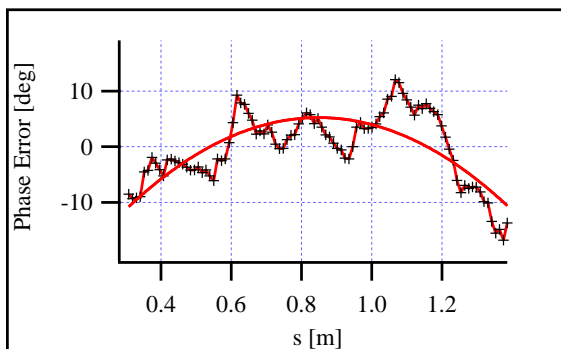
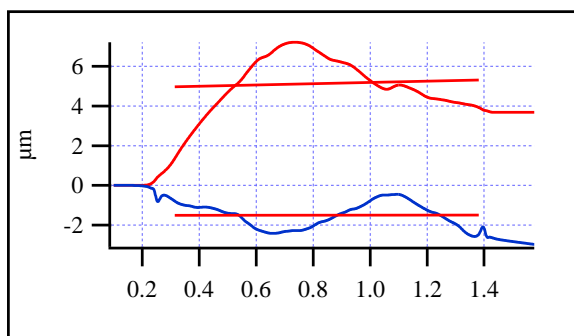
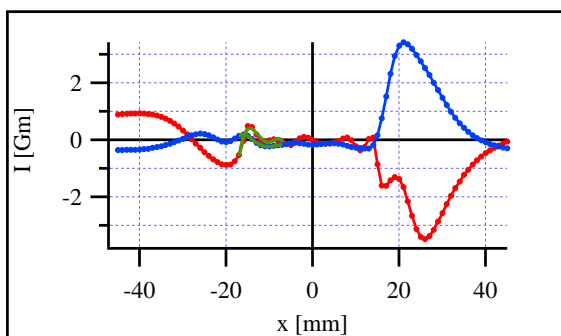
H Quadrupole : -164.8 G

$$\Pi_z(\text{sBz}): -0.1544 \text{ G m}^2$$

I4 : 0.8895 A

H Sextupole : 283.1 G/cm

BzTrj RMS dev. : 0.6 um



Kyma Srl

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