

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz399,Bx399,Izmes31,Ixmes31

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : 1 Peak Field Bx: 0.05919 T

RMS Phase Error : 6.81 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 3.7 %

Fund. En. (B2E) : 2976.1 eV = 0.4 nm

Peak Field Bz: 0.36856 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.04 mm Delta Bz/Bz : 2.0 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -16.739 G/m

Bz Taper : -28.992 G/m

Krms : 0.542

V Dipole : 14.1 G cm

Iz(coil) : 11.2 G cm

Pred. C.C. currents

V Quadrupole : -216.7 G

$$I_z(\text{BzC}): 11.3 \text{ Gcm} \quad I_z(\text{Bz}): 36.8 \text{ G cm}$$

I1 : 0.8313 A

V Sextupole : 273.4 G/cm

$I_x(\text{coil}) : 5.5 \text{ G cm}$

I2 : -0.3084 A

$$I_x(BxC) : 5.5 \text{ Gcm} \quad I_x(Bx) : 596.1 \text{ G cm}$$

H Dipole : -17.8 G cm

$$\Pi_x(sB_x) : -0.1472 \text{ G m}^2$$

I3 : -2.0692 A

H Ouadrupole : 298.5 G

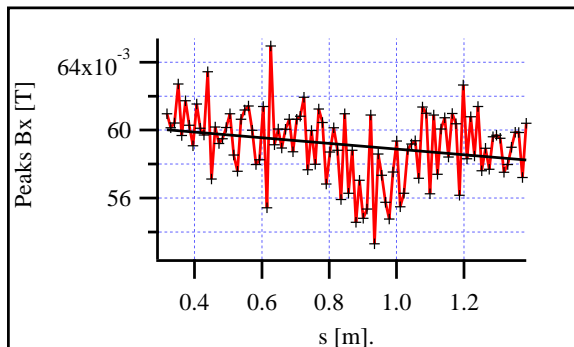
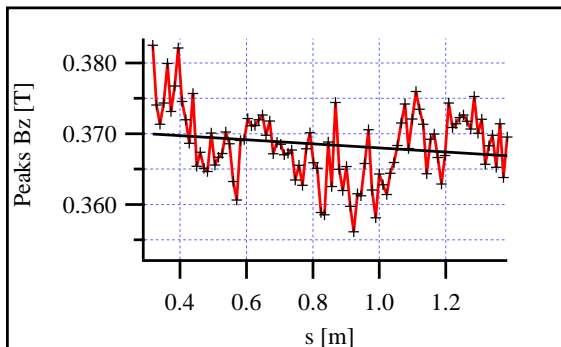
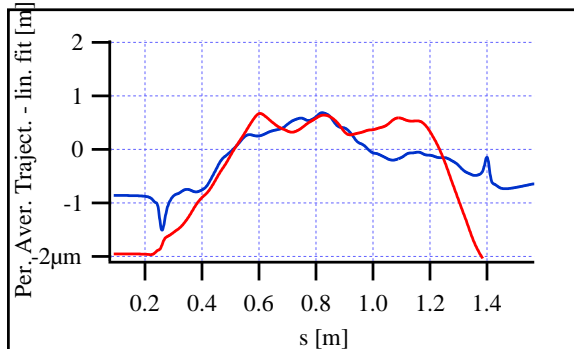
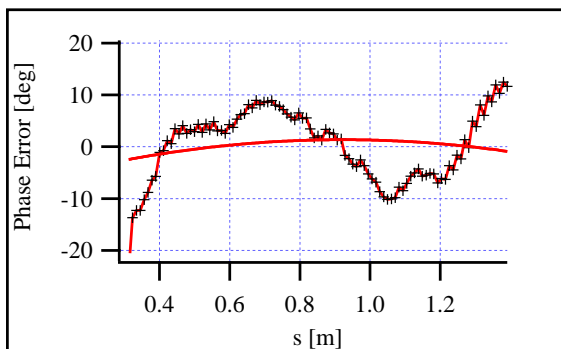
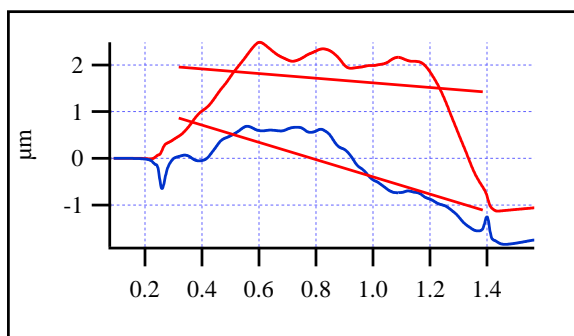
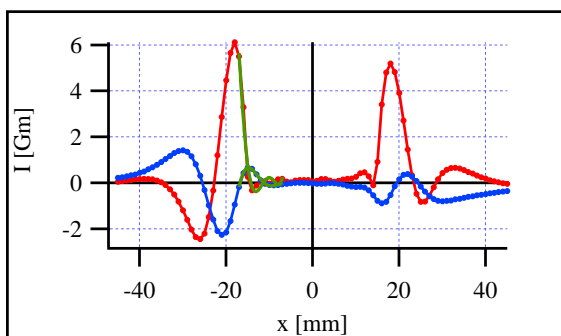
$$\Pi_z(sB_z): -0.2582 \text{ G m}^2$$

I4 : 0.8931 A

H Sextupole : 374.8 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.7 um



Kyma Srl

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