

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM_20200224

Waves analysed : Bz339,Bx339,Izmes5,Ixmes5

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : -1 Peak Field Bx: 0.02544 T

RMS Phase Error : 3.27 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 7.7 %

Fund. En. (B2E) : $2063.4 \text{ eV} = 0.6 \text{ nm}$

Peak Field Bz: 0.64368 T

Radiation wavelength (lin. fit): 0.6 nm

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

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : -17.625 G/m

Bz Taper : -19.170 G/m

Krms : 0.936

V Dipole : -26.6 G cm

Iz(coil) : -23.2 G cm

Pred. C.C. currents

V Quadrupole : 198.7 G

$$I_z(\text{BzC}): -23.2 \text{ Gcm} \quad I_z(\text{Bz}): 35.4 \text{ G cm}$$

I1 : -0.8701 A

V Sextupole : -622.1 G/cm

$I_x(\text{coil}) : 25.9 \text{ G cm}$

I2 : 0.0760 A

$$I_x(B_xC) : 25.9 \text{ Gcm} \quad I_x(B_x) : 220.5 \text{ G cm}$$

H Dipole : 1.3 G cm

$$\Pi_X(sB_X) : -0.1268 \text{ G m}^2$$

I3 : 1.2260 A

H Quadrupole : 274.6 G

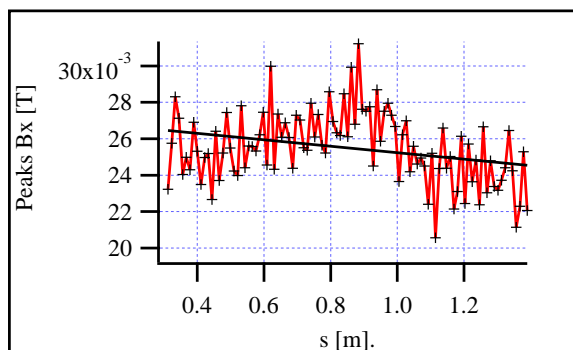
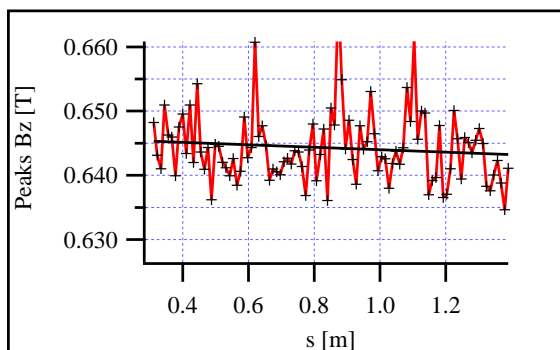
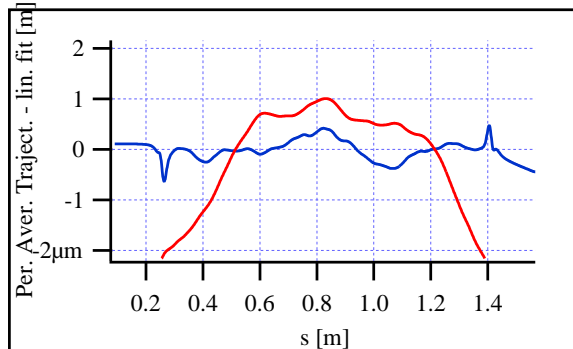
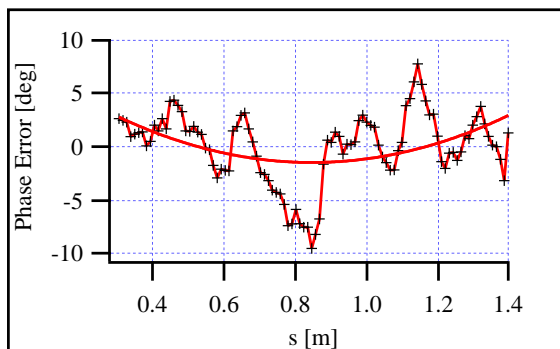
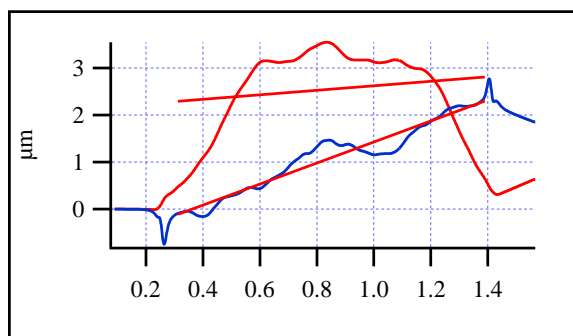
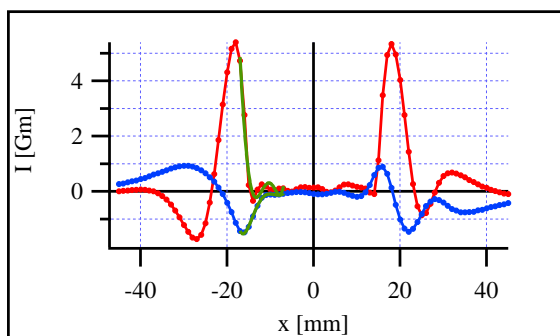
$$\mu_z(sB_z): 0.3560 \text{ G m}^2$$

I4 : -3.4834 A

H Sextupole : 58.4 G/cm

BzTrj RMS dev. : 0.2 um

BxTrj RMS dev. : 0.9 um



Kyma Srl

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