

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz321,Bx321,Izmes17,Ixmes17

Gap [mm] : 200

Phase [mm] : 4 Hall Z [mm] : -1 Peak Field Bx: 0.05637 T

RMS Phase Error : 5.95 deg

Taper [mm] : 0    Hall X [mm]: 12    Delta Bx/Bx : 3.5 %

Fund. En. (B2E) :  $2329.8 \text{ eV} = 0.5 \text{ nm}$ 

Peak Field Bz: 0.55649 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.04 mm Delta Bz/Bz : 1.2 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 10.338 G/m

Bz Taper : -22.757 G/m

Krms : 0.813

V Dipole : 1.7 G cm

Iz(coil) : -0.7 G cm

Pred. C.C. currents

V Quadrupole : 212.5 G

$$I_z(\text{BzC}): -0.6 \text{ Gcm} \quad I_z(\text{Bz}): 2.2 \text{ G cm}$$

I1 : -1.8751 A

V Sextupole : 523.3 G/cm

$I_x(\text{coil}) : 19.3 \text{ G cm}$

I2 : -1.5049 A

$$I_x(B_x C) : 19.3 \text{ G cm} \quad I_x(B_x) : 678.1 \text{ G cm}$$

H Dipole : -4.0 G cm

$$\Pi_X(sB_X) : 0.3889 \text{ G m}^2$$

I3 : 0.7939 A

H Quadrupole : -269.7 G

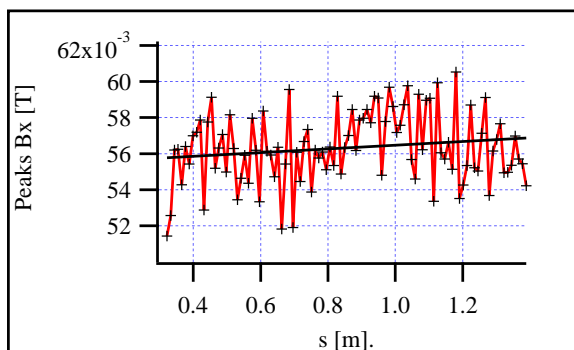
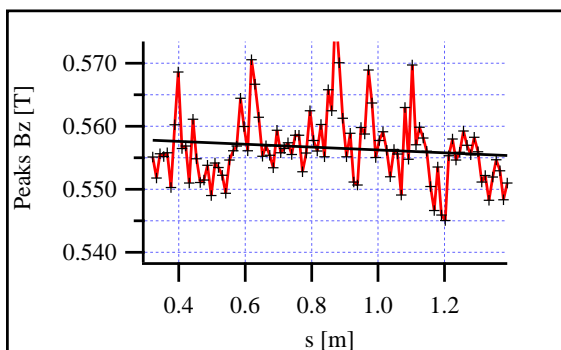
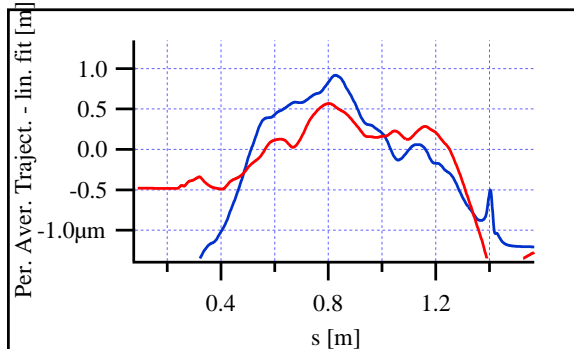
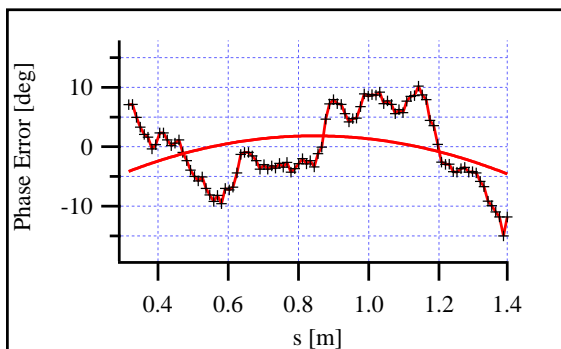
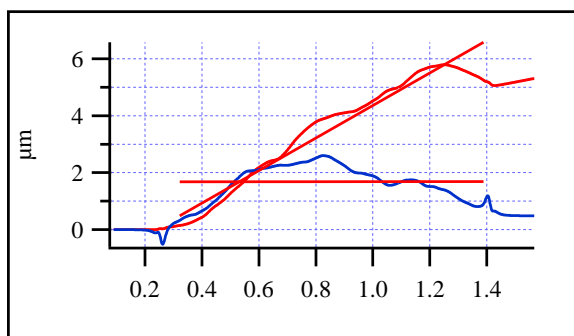
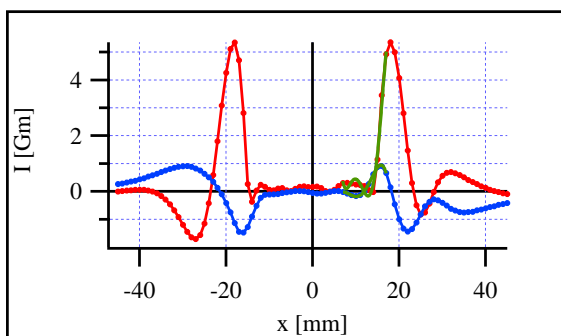
$$\Pi_z(\text{sBz}): 0.0535 \text{ G m}^2$$

I4 : 0.3149 A

H Sextupole : 931.0 G/cm

BzTrj RMS dev. : 0.6 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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