

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz387,Bx387,Izmes7,Ixmes7

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : 1 Peak Field Bx: 0.03502 T

RMS Phase Error : 8.14 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 5.4 %

Peak Field Bz: 0.63472 T

Fund. En. (B2E) : $2080.3 \text{ eV} = 0.6 \text{ nm}$

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.4 %

Bx Taper : 12.165 G/m

Peaks used : 103

e-beam energy : 3 GeV

Krms : 0.924

Bz Taper : -3.013 G/m

V Dipole : 18.0 G cm

Iz(coil) : 14.7 G cm

Pred. C.C. currents

V Quadrupole : -232.8 G

$$I_z(\text{BzC}): 14.8 \text{ G cm} \quad I_z(\text{Bz}): 24.3 \text{ G cm}$$

I1 : -0.0479 A

V Sextupole : 265.5 G/cm

$I_x(\text{coil}) : 12.0 \text{ G cm}$

I2 : -0.0122 A

H Dipole : -14.3 G cm

$$\Pi_X(sB_X) : -0.1117 \text{ G m}^2$$

I3 : -1.8532 A

H Quadrupole : 317.7 G

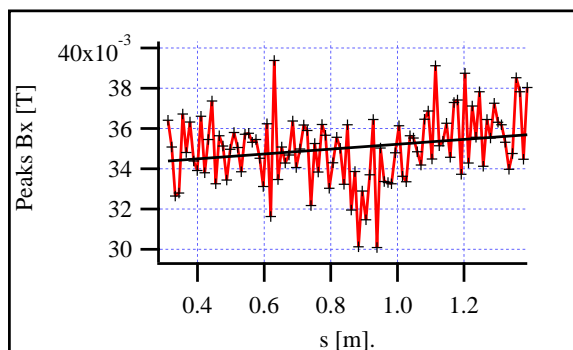
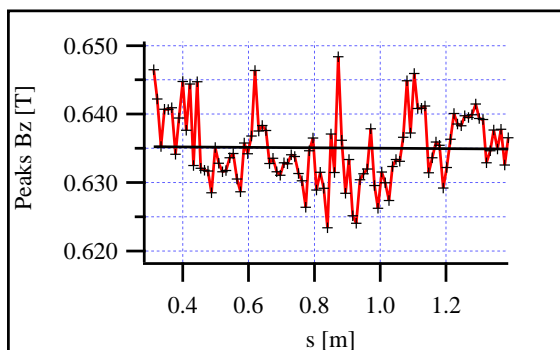
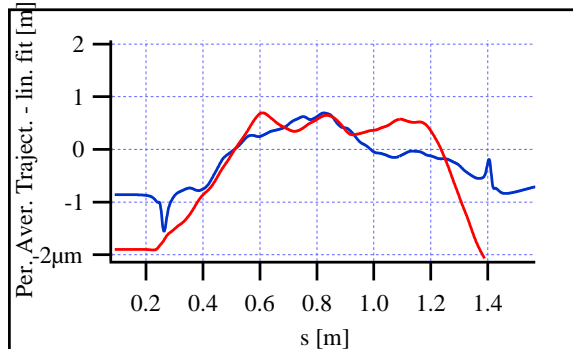
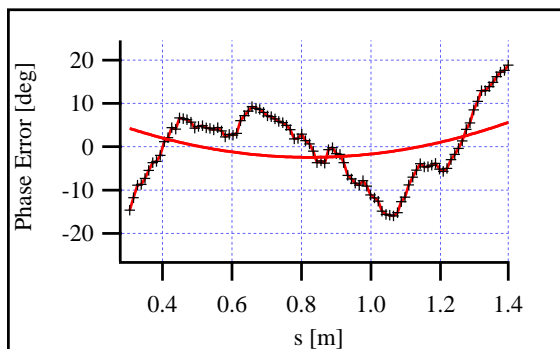
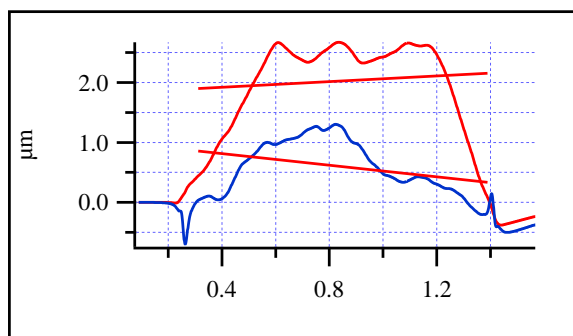
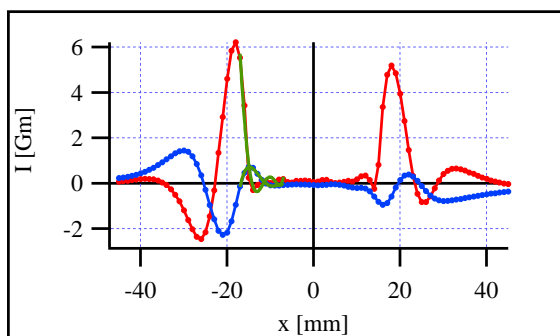
$$\Pi_z(sBz): -0.1461 \text{ G m}^2$$

I4 : 0.5034 A

H Sextupole : 370.1 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.7 um



Kyma Srl

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