

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz303,Bx303,Izmes30,Ixmes30

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : 0 Peak Field Bx: 0.03066 T

RMS Phase Error : 1.87 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 8.2 %

Peak Field Bz: 0.29895 T

Fund. En. (B2E) : 3211.0 eV = 0.4 nm

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.05 mm Delta Bz/Bz : 1.5 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 2.057 G/m

Bz Taper : 14.205 G/m

Krms : 0.437

V Dipole : -9.0 G cm

Iz(coil) : -9.0 G cm

Pred. C.C. currents

V Quadrupole : 52.9 G

$$I_z(\text{BzC}): -9.0 \text{ Gcm} \quad I_z(\text{Bz}): -0.4 \text{ G cm}$$

I1 : -1.4107 A

V Sextupole : 50.6 G/cm

Ix(coil) : 32.4 G cm

I2 : -1.9738 A

$$I_x(B_xC) : 32.4 \text{ Gcm} \quad I_x(B_x) : 603.6 \text{ G cm}$$

H Dipole : 17.4 G cm

$$\Pi_X(sB_X) : 0.2561 \text{ G m}^2$$

I3 : 0.2354 A

H Quadrupole : -110.1 G

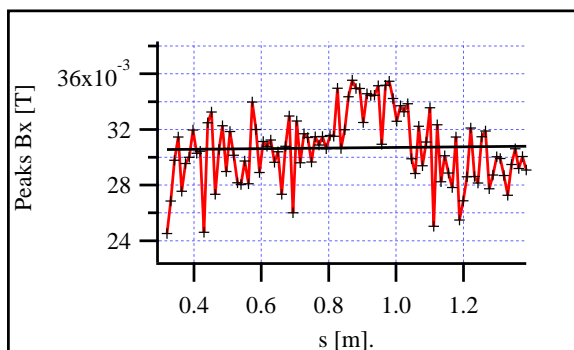
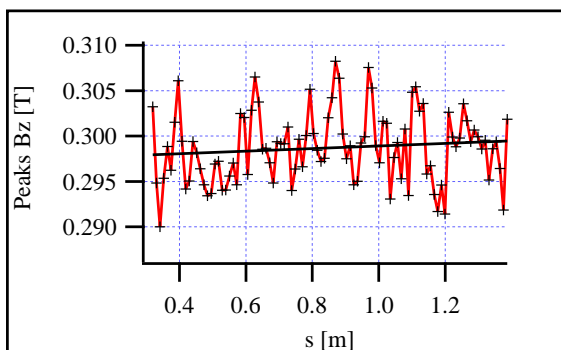
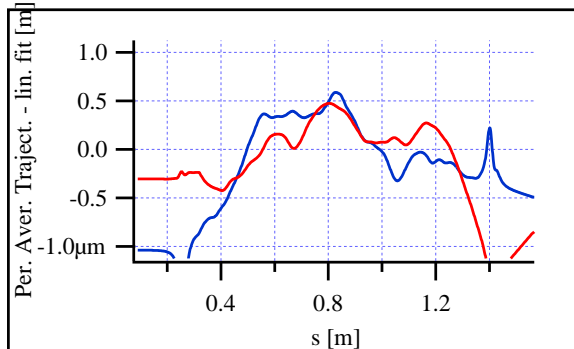
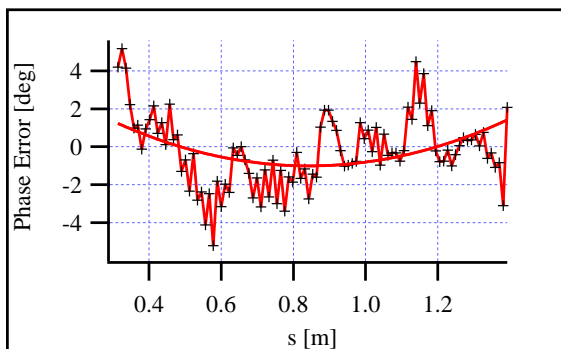
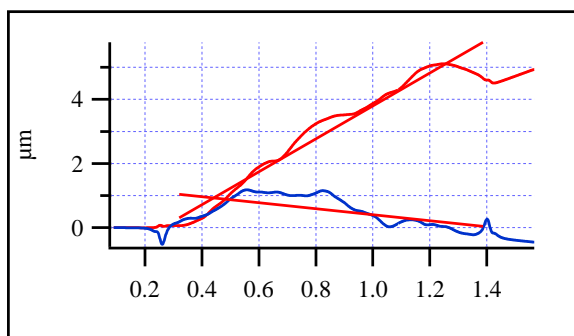
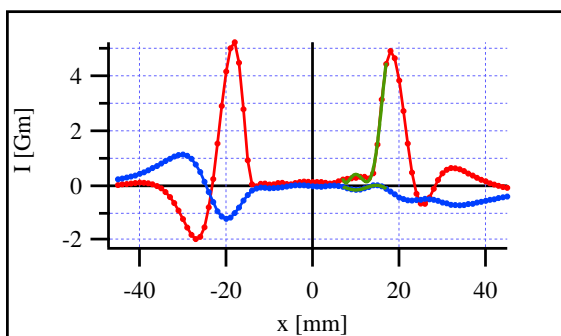
$$\Pi_z(\text{sBz}): 0.0212 \text{ G m}^2$$

I4 : -0.6640 A

H Sextupole : 845.8 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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