

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz357,Bx357,Izmes21,Ixmes21

Gap [mm] : 200

Phase [mm]: 10 Hall Z [mm]: -1 Peak Field Bx: 0.11063 T

RMS Phase Error : 10.40 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 2.6 %

Fund. En. (B2E) : 3032.8 eV = 0.4 nm

Peak Field Bz: 0.33374 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.07 mm Delta Bz/Bz : 2.2 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -1.681 G/m

Bz Taper : -1.192 G/m

Krms : 0.511

V Dipole : -31.7 G cm

Iz(coil) : -29.1 G cm

Pred. C.C. currents

V Quadrupole : -17.2 G

$$I_z(\text{BzC}): -29.1 \text{ Gcm} \quad I_z(\text{Bz}) : 4.3 \text{ G cm}$$

I1 : -0.8039 A

V Sextupole : 276.3 G/cm

$I_x(\text{coil}) : -32.3 \text{ G cm}$

I2 : -4.1138 A

$$I_x(B_xC) : -32.3 \text{ Gcm} \quad I_x(B_x) : 134.1 \text{ G cm}$$

H Dipole : -15.0 G cm

$$\Pi_X(sB_X) : 1.1815 \text{ G m}^2$$

I3 : 5.0646 A

H Quadrupole : 237.0 G

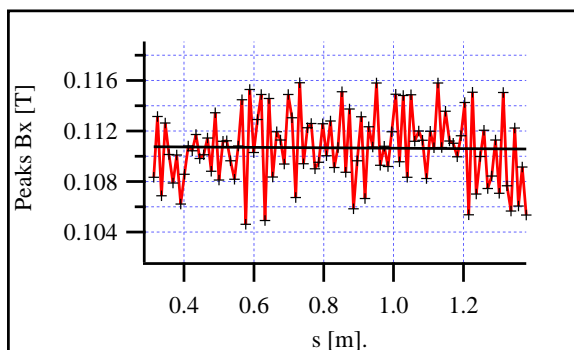
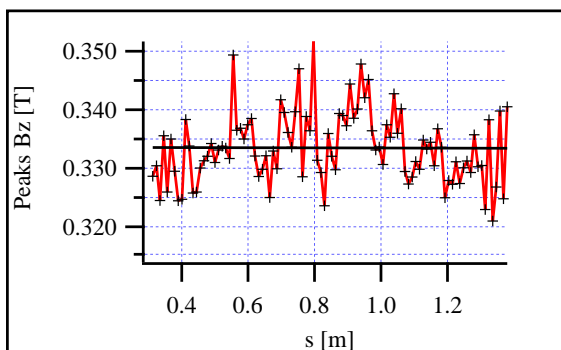
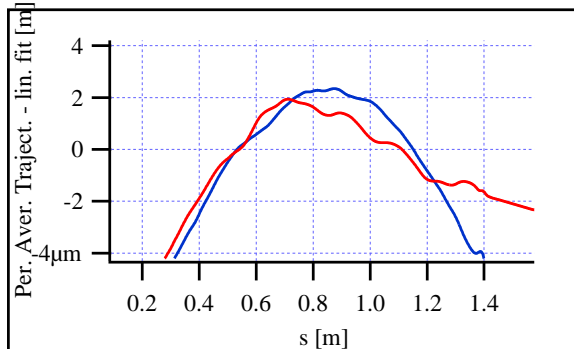
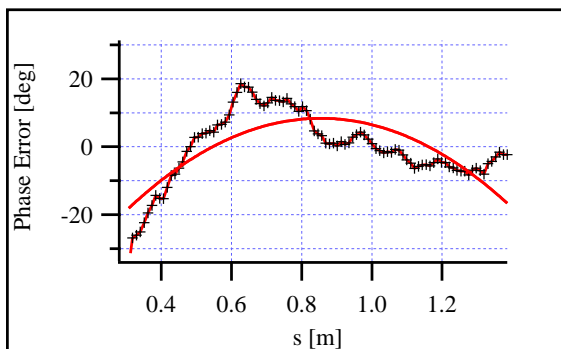
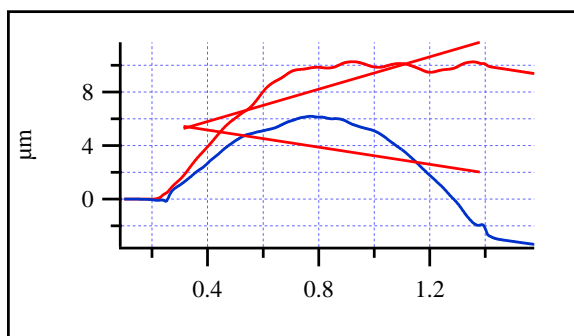
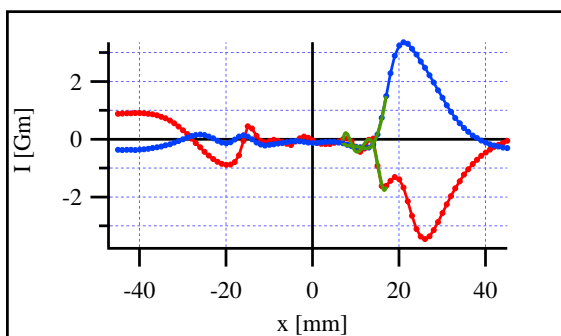
IIz(sBz): -0.1197 G m²

I4 : 3.6560 A

H Sextupole : -450.8 G/cm

BzTrj RMS dev. : 2.0 um

BxTrj RMS dev. : 1.4 um



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