

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz203,Bx203,Izmes35,Ixmes35

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : 0 Peak Field Bx: 0.01083 T

RMS Phase Error : 3.55 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 9.0 %

Peak Field Bz: 0.56924 T

Fund. En. (B2E) : 2311.0 eV = 0.5 nm

Undulator Period : 22.00+-0.02 mm

Delta Bz/Bz : 1.1 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -1.333 G/m

Bz Taper : -1.838 G/m

V Dipole : -11.0 G cm

Iz(coil) : -10.9 G cm

Pred. C.C. currents

V Quadrupole : -3.7 G

$$I_z(\text{BzC}): -10.9 \text{ Gcm} \quad I_z(\text{Bz}): 83.1 \text{ G cm}$$

I1 : 1.3810 A

V Sextupole : -53.0 G/cm

$I_x(\text{coil}) : -16.8 \text{ G cm}$

I2 : -0.5972 A

$$I_x(BxC) : -16.8 \text{ Gcm} \quad I_x(Bx) : 815.8 \text{ G cm}$$

H Dipole : -14.6 G cm

$$\Pi_X(sB_X) : 0.0359 \text{ G m}^2$$

I3 : 0.4936 A

H Quadrupole : 8.4 G

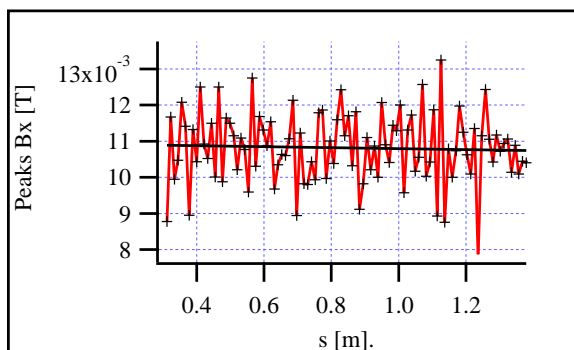
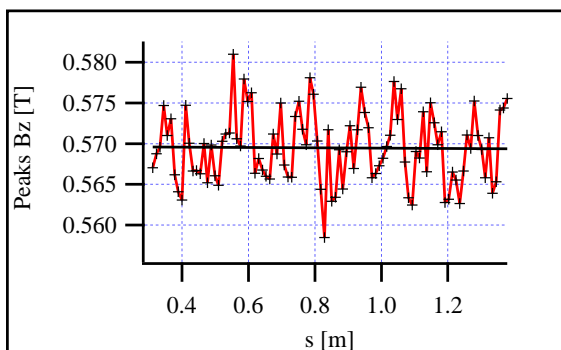
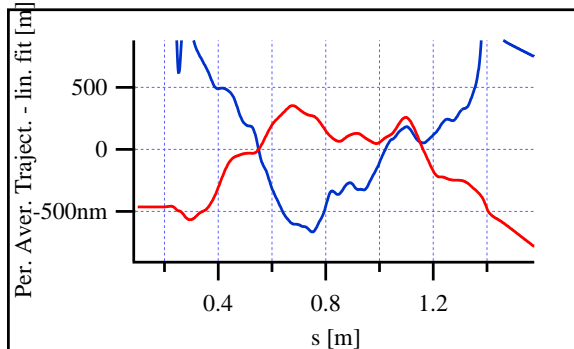
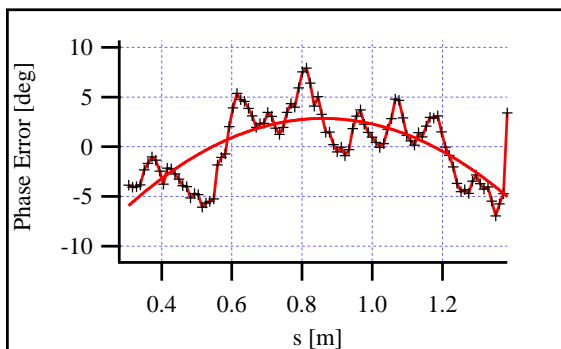
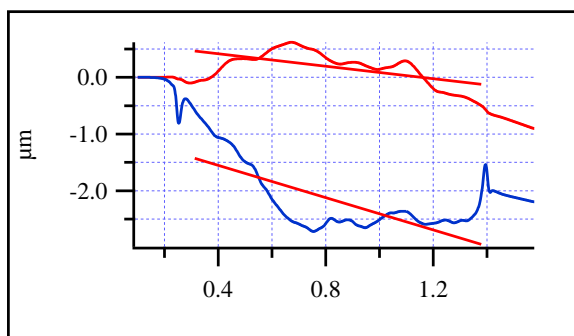
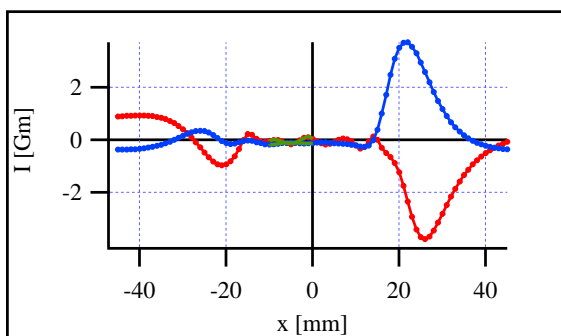
$\Pi_z(sB_z)$: -0.1378 G m²

I4 : 0.7045 A

H Sextupole : 262.0 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 0.2 um



Kyma Srl

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