

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz129,Bx129,Izmes9,Ixmes9

Gap [mm] : 200

Phase [mm] : 4 Hall Z [mm] : -1 Peak Field Bx: 0.01708 T

RMS Phase Error : 4.44 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 7.5 %

Peak Field Bz: 0.71009 T

Fund. En. (B2E) : 1871.0 eV = 0.7 nm

Undulator Period : 22.00+-0.03 mm

Delta Bz/Bz : 1.2 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -4.126 G/m

Bz Taper : -7.603 G/m

V Dipole : -13.0 G cm

Iz(coil) : -13.2 G cm

Pred. C.C. currents

V Quadrupole : -8.8 G

$$I_z(\text{BzC}): -13.2 \text{ Gcm} \quad I_z(\text{Bz}): 82.1 \text{ G cm}$$

I1 : -0.4439 A

V Sextupole : -73.9 G/cm

$I_x(\text{coil}) : -8.4 \text{ G cm}$

I2 : -1.3253 A

$$I_x(BxC) : -8.4 \text{ Gcm} \quad I_x(Bx) : 711.1 \text{ G cm}$$

H Dipole : -8.3 G cm

$$\Pi_X(sB_X) : 0.3925 \text{ G m}^2$$

I3 : 2.0120 Å

H Quadrupole : 54.1 G

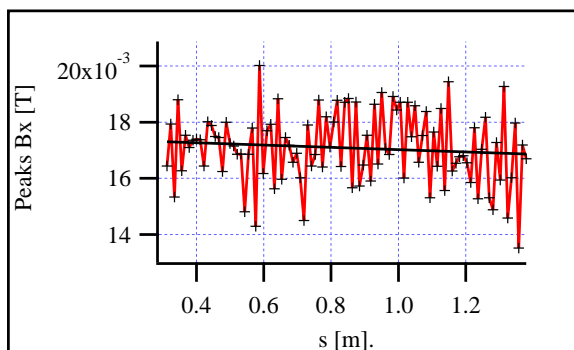
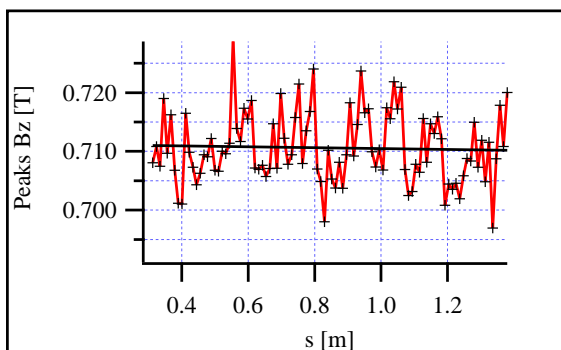
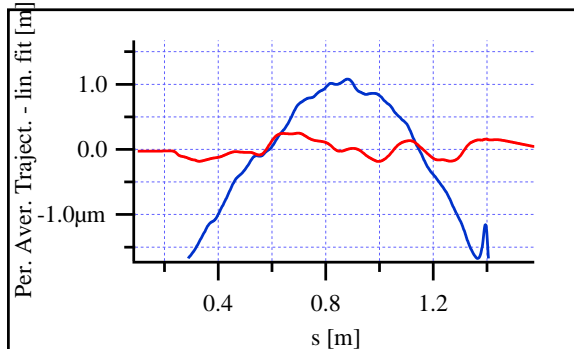
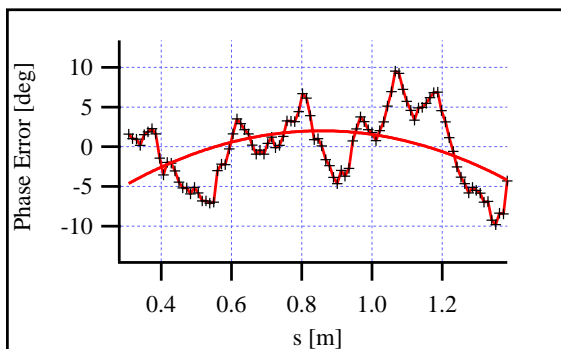
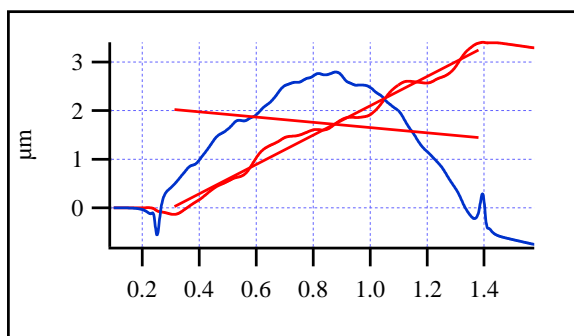
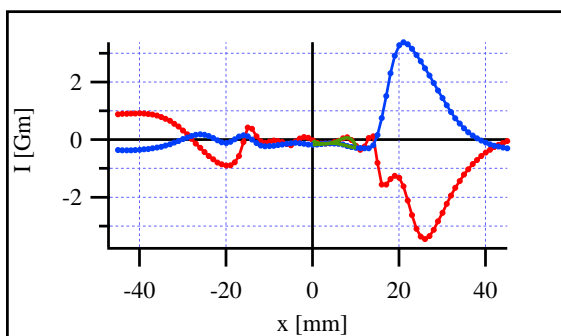
 $\Pi_z(\text{sBz}): 0.0240 \text{ G m}^2$

I4 : 0.7494 A

H Sextupole : 89.1 G/cm

BzTrj RMS dev. : 0.8 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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