

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz365,Bx365,Izmes5,Ixmes5

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : -1 Peak Field Bx: 0.05847 T

RMS Phase Error : 6.60 deg

Taper [mm] : 0    Hall X [mm]: -12 Delta Bx/Bx : 4.3 %

Peak Field Bz: 0.66891 T

Fund. En. (B2E) :  $1969.7 \text{ eV} = 0.6 \text{ nm}$ 

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.03 m

Delta Bz/Bz : 1.4 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -19.295 G/m

Bz Taper : -19.079 G/m

Krms : 0.976

V Dipole : -20.1 G cm

Iz(coil) : -20.8 G cm

Pred. C.C. currents

V Quadrupole : -64.2 G

$$I_z(\text{BzC}): -20.8 \text{ Gcm} \quad I_z(\text{Bz}): 7.5 \text{ G cm}$$

I1 : 0.4496 A

V Sextupole : 198.6 G/cm

$I_x(\text{coil}) : -1.2 \text{ G cm}$

I2 : -2.5102 A

$$I_x(B_xC) : -1.2 \text{ Gcm} \quad I_x(B_x) : 337.8 \text{ G cm}$$

H Dipole : 5.0 G cm

$$\Pi_X(sB_X) : 0.3688 \text{ G m}^2$$

I3 : 1.3070 A

H Quadrupole : -165.6 G

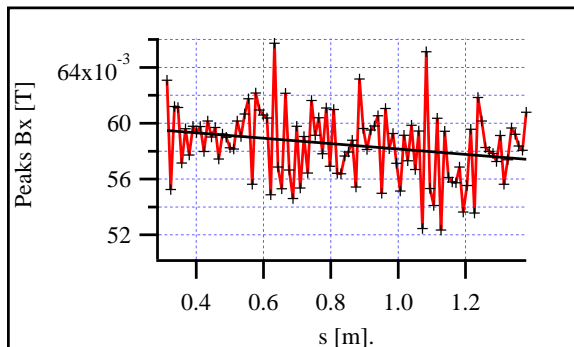
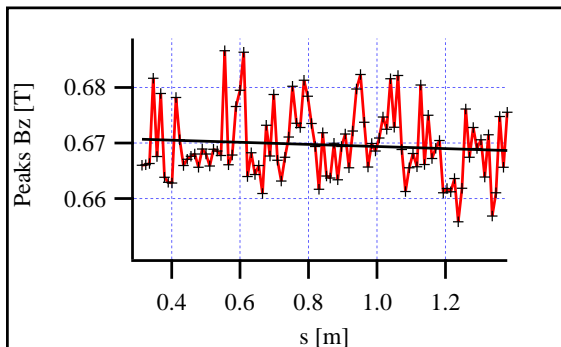
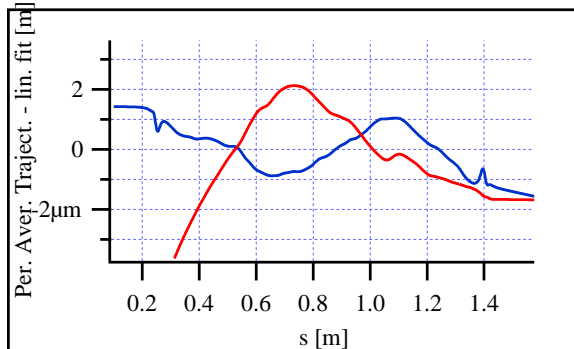
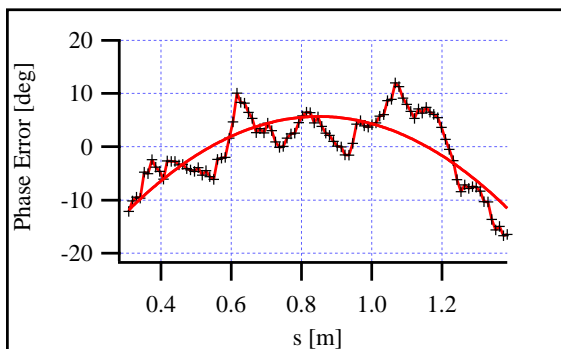
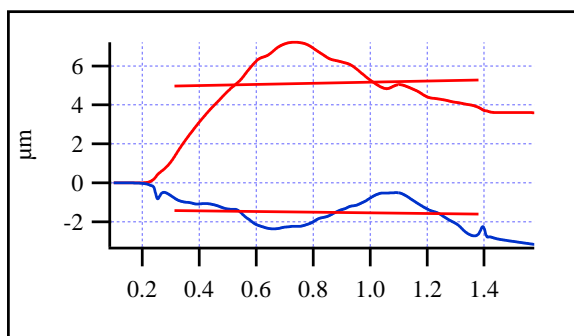
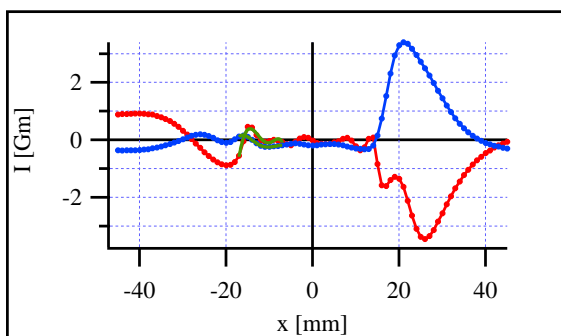
$\Pi_z(\text{sBz}): -0.1601 \text{ G m}^2$

I4 : 0.8900 A

H Sextupole : 280.0 G/cm

BzTrj RMS dev. : 0.6 um

BxTrj RMS dev. : 1.4 um



Kyma Srl

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