

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM\_20200508

Waves analysed : Bz359,Bx359,Izmes23,Ixmes23

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : -1 Peak Field Bx: 0.10856 T

RMS Phase Error : 10.67 deg

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

Fund. En. (B2E) : 3074.9 eV = 0.4 nm

Peak Field Bz: 0.31808 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.07 mm Delta Bz/Bz : 2.4 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 2.072 G/m

Bz Taper : -17.383 G/m

Krms : 0.488

V Dipole : -31.3 G cm

Iz(coil) : -28.4 G cm

Pred. C.C. currents

V Quadrupole : -21.3 G

$$I_z(\text{BzC}): -28.4 \text{ Gcm} \quad I_z(\text{Bz}) : -5.3 \text{ G cm}$$

I1 : -0.7462 A

V Sextupole : 280.8 G/cm

$I_x(\text{coil}) : -35.3 \text{ G cm}$

I2 : -3.8258 A

$$I_x(BxC) : -35.3 \text{ Gcm} \quad I_x(Bx) : -69.4 \text{ G cm}$$

H Dipole : -18.0 G cm

$$\Pi_X(sB_X) : 1.1525 \text{ G m}^2$$

I3 : 5.1309 A

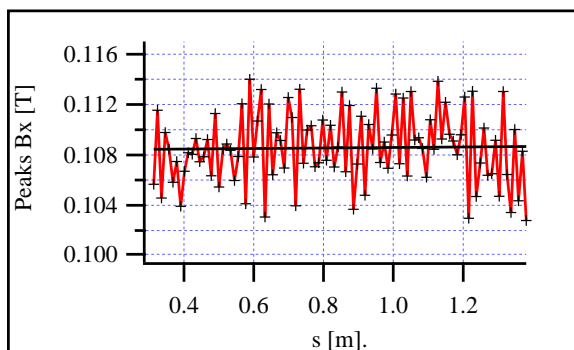
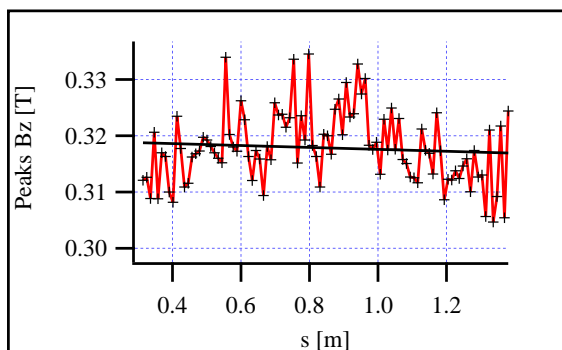
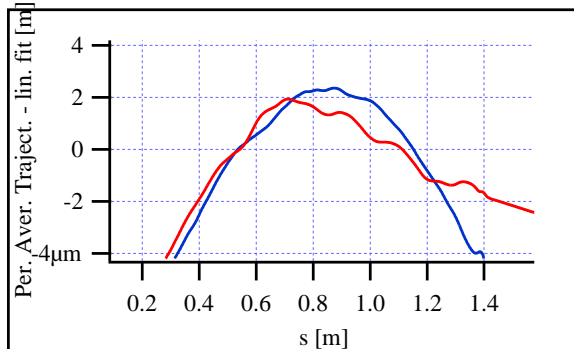
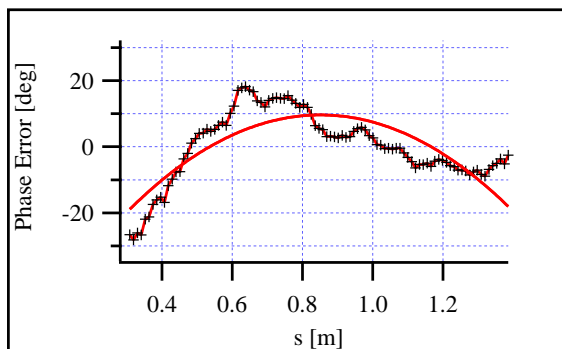
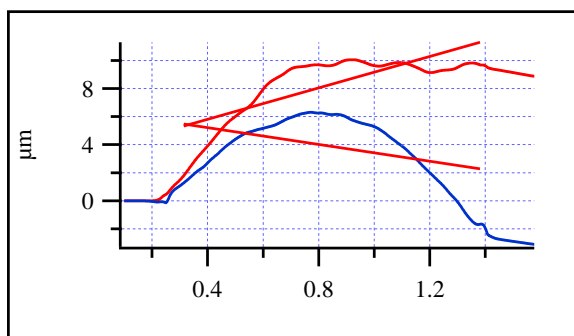
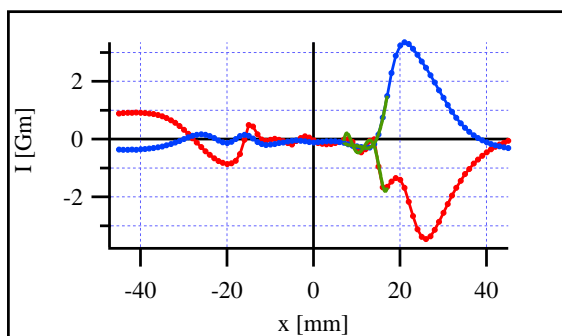
H Quadrupole : 234.8 G

 $\text{IIz(sBz)}: -0.0975 \text{ G m}^2$ 

I4 : 3.6002 A

H Sextupole : -450.2 G/cm

BzTrj RMS dev. : 2.0 um



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