

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM\_20200508

Waves analysed : Bz133,Bx133,Izmes13,Ixmes13

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : -1 Peak Field Bx: 0.01997 T

RMS Phase Error : 4.75 deg

Taper [mm] : 0    Hall X [mm]: 5    Delta Bx/Bx : 6.5 %

Peak Field Bz: 0.61177 T

Fund. En. (B2E) : 2169.9 eV = 0.6 nm

Peak Field Bz: 0.61177 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.04 mm

Delta Bz/Bz : 1.2 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -5.089 G/m

Bz Taper : -8.874 G/m

V Dipole : -9.5 G cm

Iz(coil) : -9.5 G cm

Pred. C.C. currents

V Quadrupole : -6.3 G

$$I_z(\text{BzC}): -9.5 \text{ Gcm} \quad I_z(\text{Bz}): 73.1 \text{ G cm}$$

I1 : -0.5315 A

V Sextupole : -74.9 G/cm

$I_x(\text{coil}) : -10.7 \text{ G cm}$

I2 : -1.1658 A

$$I_x(BxC) : -10.7 \text{ Gcm} \quad I_x(Bx) : 848.5 \text{ G cm}$$

H Dipole : -11.1 G cm

$$\Pi_X(sB_X) : 0.4036 \text{ G m}^2$$

I3 : 1.9346 A

H Quadrupole : 56.0 G

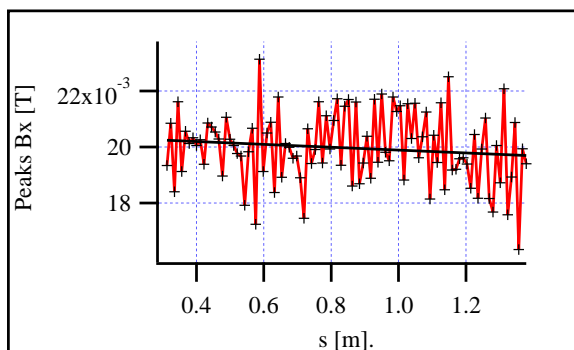
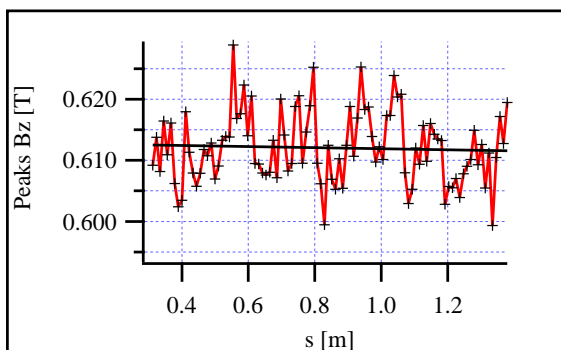
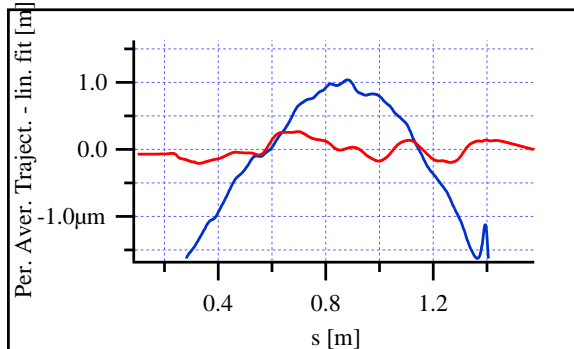
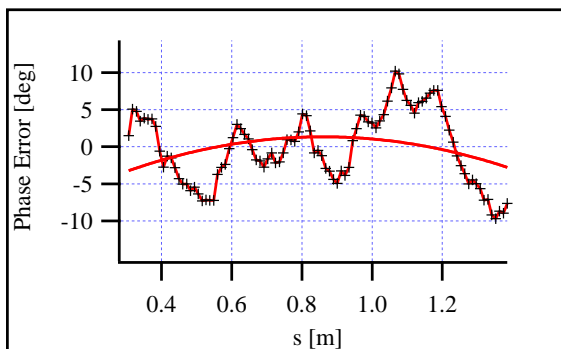
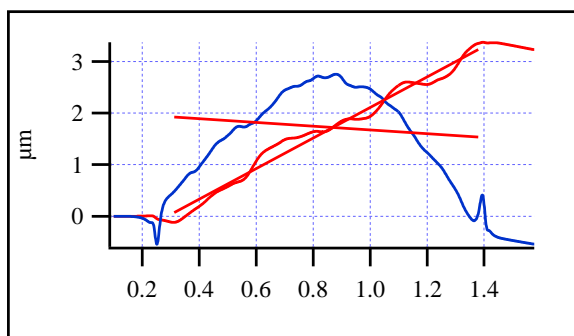
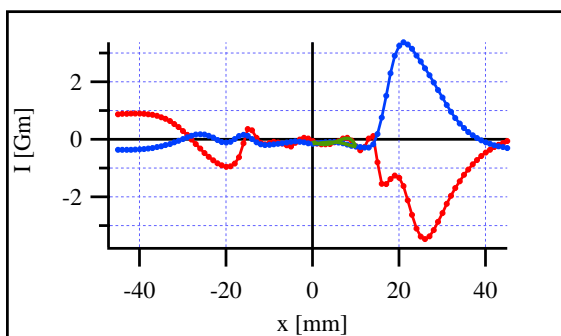
$$\Pi_z(sB_z): 0.0172 \text{ G m}^2$$

I4 : 1.0267 A

H Sextupole : 84.7 G/cm

BzTrj RMS dev. : 0.8 um

BxTrj RMS dev. : 0.1 um



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