

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz421,Bx421,Izmes61,Ixmes61

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : 1 Peak Field Bx: 0.01435 T

RMS Phase Error : 5.50 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 16.3 %

Fund. En. (B2E) : 2810.7 eV = 0.4 nm

Peak Field Bz: 0.41357 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.04 mm Delta Bz/Bz : 1.4 %

Peaks used : 101

e-beam energy : 3 GeV

Bx Taper : 2.919 G/m

Bz Taper : -8.318 G/m

Krms : 0.601

V Dipole : -10.1 G cm

Iz(coil) : -9.8 G cm

Pred. C.C. currents

V Quadrupole : -39.1 G

$$I_z(\text{BzC}): -9.8 \text{ Gcm} \quad I_z(\text{Bz}): 43.6 \text{ G cm}$$

I1 : 1.9060 A

V Sextupole : -76.0 G/cm

$I_x(\text{coil}) : -23.2 \text{ G cm}$

I2 : -2.0082 A

$$I_x(B_xC) : -23.2 \text{ Gcm} \quad I_x(B_x) : 639.1 \text{ G cm}$$

H Dipole : -19.4 G cm

$$\Pi_X(sB_X) : 0.2546 \text{ G m}^2$$

I3 : 0.2519 A

H Quadrupole : -30.9 G

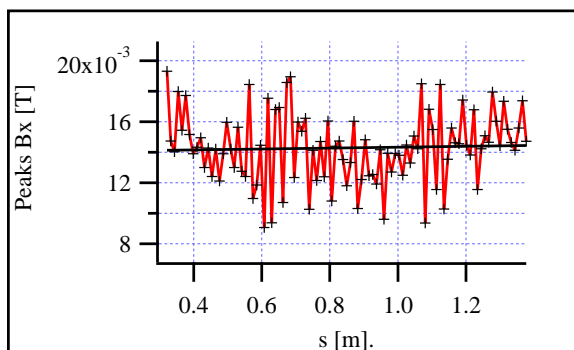
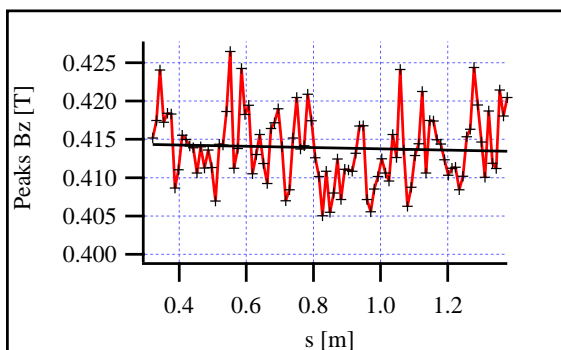
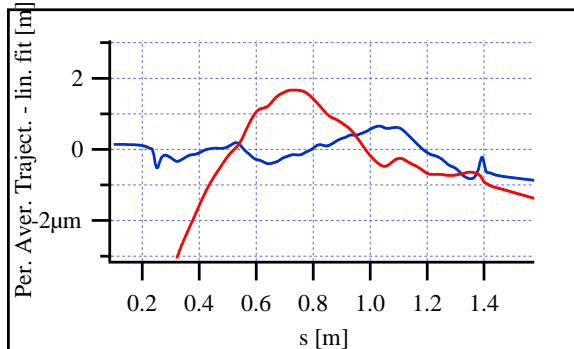
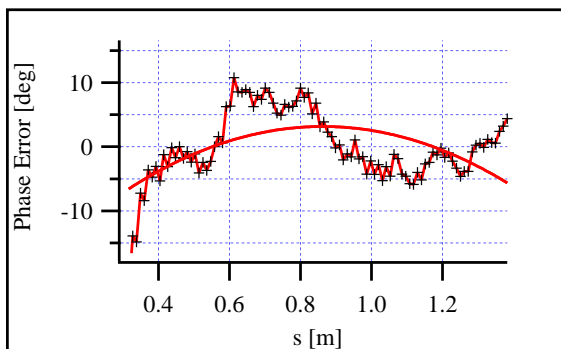
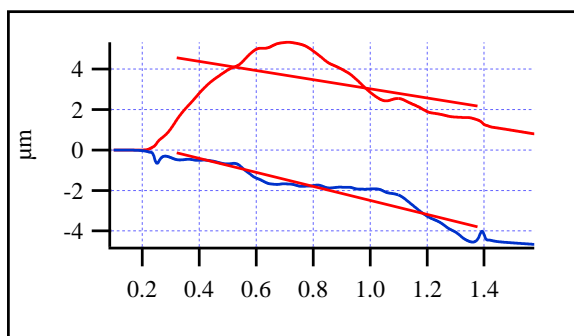
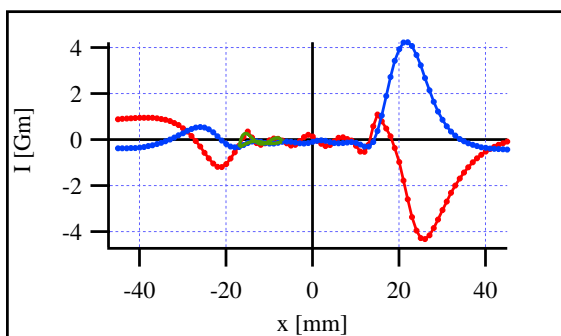
 $\Pi_z(\text{sBz}): -0.3932 \text{ G m}^2$

I4 : 2.5844 A

H Sextupole : 575.0 G/cm

BzTrj RMS dev. : 0.4 um

BxTrj RMS dev. : 1.1 um



Kyma Srl

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