

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz317,Bx317,Izmes29,Ixmes29

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : 0 Peak Field Bx: 0.01744 T

RMS Phase Error : 12.00 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 15.6 %

Fund. En. (B2E) : 2135.9 eV = 0.6 nm

Peak Field Bz: 0.61519 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.3 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 1.833 G/m

Bz Taper : 15.739 G/m

Krms : 0.894

V Dipole : -31.0 G cm

Iz(coil) : -29.6 G cm

Pred. C.C. currents

V Quadrupole : 2.3 G

$$I_z(\text{BzC}): -29.6 \text{ Gcm} \quad I_z(\text{Bz}): 42.1 \text{ G cm}$$

I1 : -0.5642 A

V Sextupole : 429.4 G/cm

$I_x(\text{coil}) : -33.5 \text{ G cm}$

I2 : -4.2629 A

$$I_x(B_xC) : -33.5 \text{ Gcm} \quad I_x(B_x) : 274.6 \text{ G cm}$$

H Dipole : -26.2 G cm

$$\Pi_X(sB_X) : 1.1783 \text{ G m}^2$$

I3 : 4.9401 A

H Quadrupole : 149.2 G

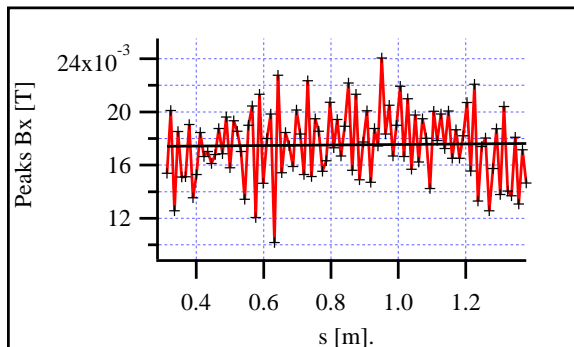
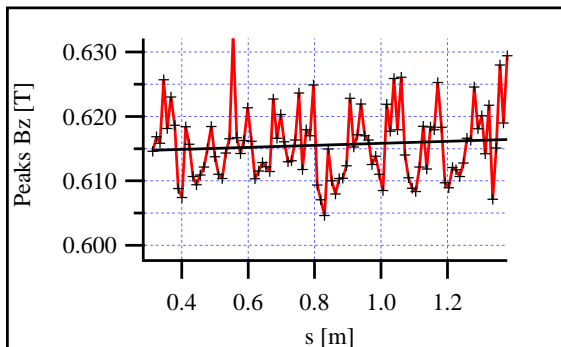
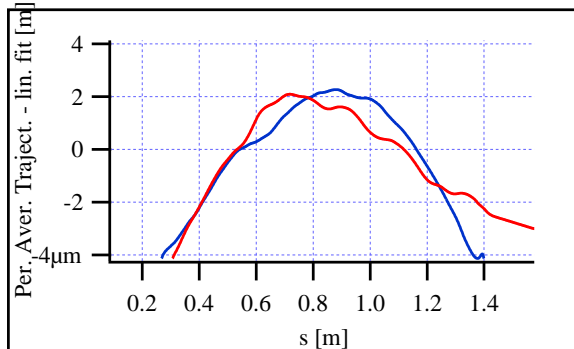
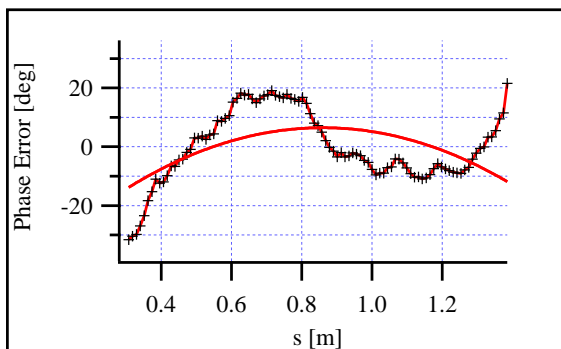
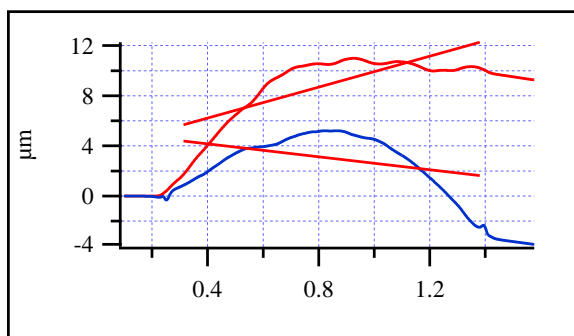
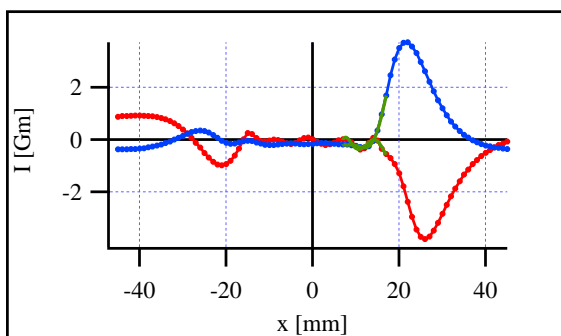
IIz(sBz): -0.1632 G m²

I4 : 3.8337 A

H Sextupole : 283.5 G/cm

BzTrj RMS dev. : 1.9 um

BxTrj RMS dev. : 1.6 um



Kyma Srl

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