

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz395,Bx395,Izmes35,Ixmes35

Gap [mm] : 200

Phase [mm] : 5 Hall Z [mm] : 0 Peak Field Bx: 0.02655 T

RMS Phase Error : 5.05 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 8.3 %

Fund. En. (B2E) : 2594.9 eV = 0.5 nm

Peak Field Bz: 0.47673 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.03 m

Delta Bz/Bz : 1.2 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -5.350 G/m

Bz Taper : 4.147 G/m

Krms : 0.694

V Dipole : -12.8 G cm

Iz(coil) : -12.5 G cm

Pred. C.C. currents

V Quadrupole : -41.5 G

$$I_z(\text{BzC}): -12.5 \text{ Gcm} \quad I_z(\text{Bz}): 33.7 \text{ G cm}$$

I1 : 1.1901 A

V Sextupole : 38.0 G/cm

$I_x(\text{coil}) : -7.7 \text{ G cm}$

I2 : -2.4332 A

$$I_x(BxC) : -7.7 \text{ Gcm} \quad I_x(Bx) : 644.9 \text{ G cm}$$

H Dipole : -3.8 G cm

$$\Pi_X(sB_X) : 0.2935 \text{ G m}^2$$

I3 : 0.2737 A

H Quadrupole : -80.0 G

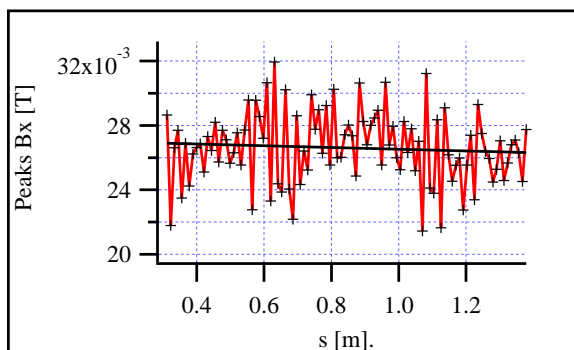
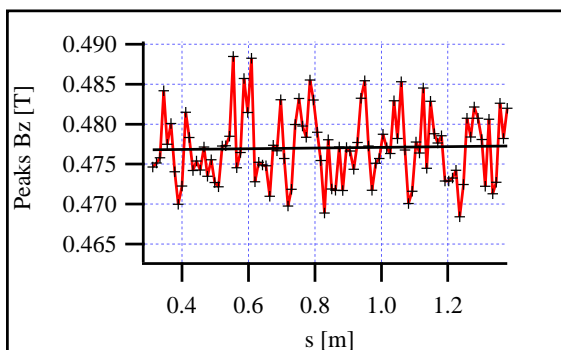
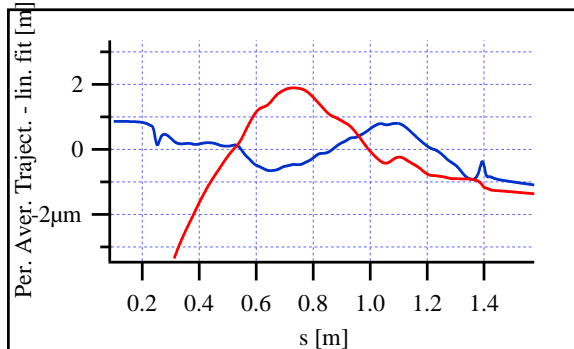
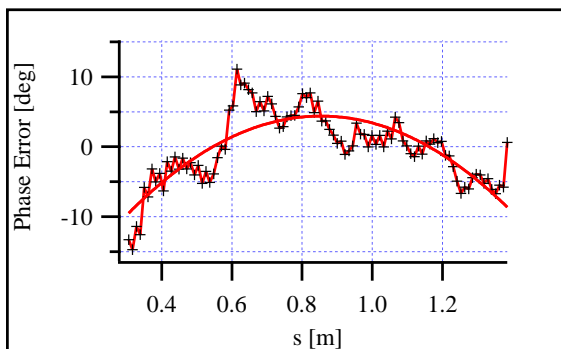
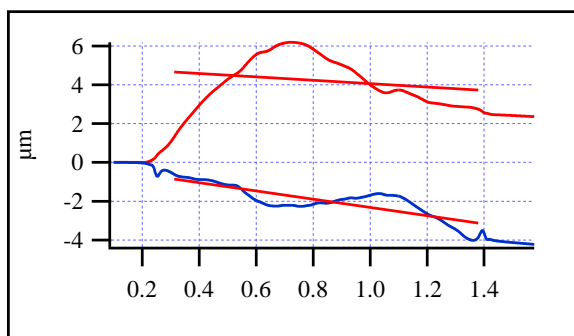
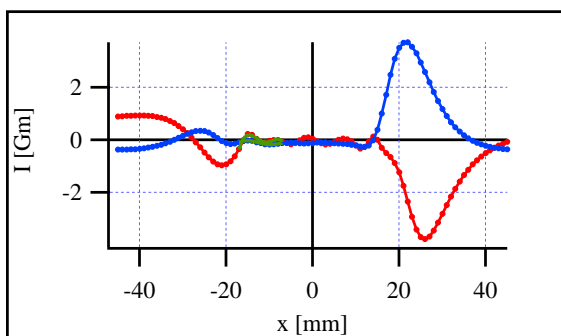
$$\text{IIz(sBz): } -0.3286 \text{ G m}^2$$

I4 : 1.8709 A

H Sextupole : 249.1 G/cm

BzTrj RMS dev. : 0.5 um

BxTrj RMS dev. : 1.2 um



Kyma Srl

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