

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz89,Bx89,Izmes17,Ixmes17

Gap [mm] : 200

Phase [mm] : 8 Hall Z [mm] : -1 Peak Field Bx: 0.00100 T

RMS Phase Error : 6.88 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 74.1 %

Fund. En. (B2E) : 2574.2 eV = 0.5 nm

Peak Field Bz: 0.49048 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.05 mm Delta Bz/Bz : 1.3 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -1.332 G/m

Bz Taper : -10.212 G/m

Krms : 0.713

V Dipole : -8.4 G cm

Iz(coil) : -8.4 G cm

Pred. C.C. currents

V Quadrupole : 16.7 G

$$I_z(\text{BzC}): -8.4 \text{ Gcm} \quad I_z(\text{Bz}): 56.2 \text{ G cm}$$

I1 : 1.8193 A

V Sextupole : -59.5 G/cm

$I_x(\text{coil}) : -22.6 \text{ G cm}$

I2 : -0.2371 A

$$I_x(B_xC) : -22.6 \text{ Gcm} \quad I_x(B_x) : 677.1 \text{ G cm}$$

H Dipole : -17.5 G cm

$$\Pi_X(sB_X) : -0.0435 \text{ G m}^2$$

I3 : 0.1919 A

H Quadrupole : 49.0 G

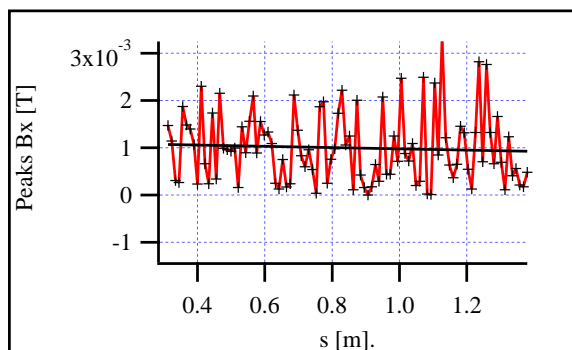
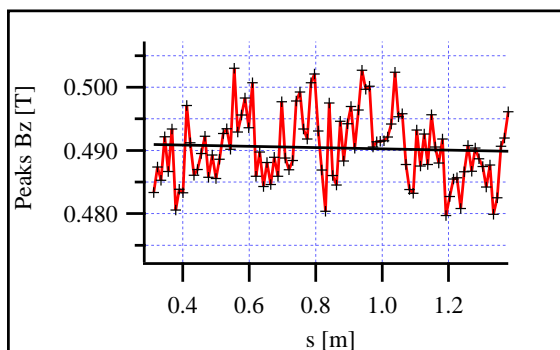
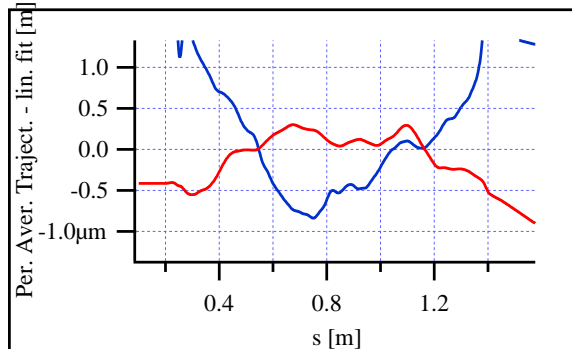
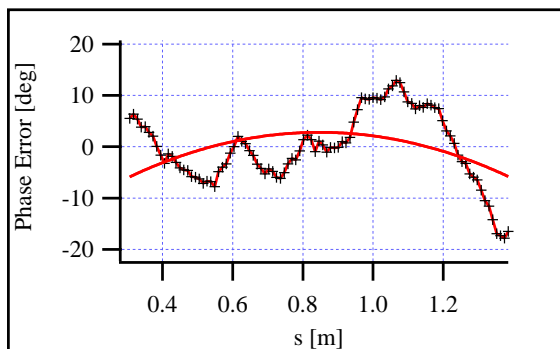
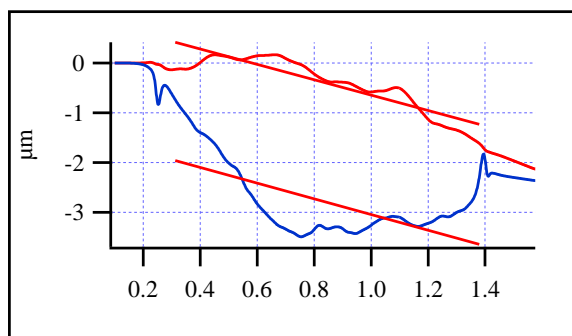
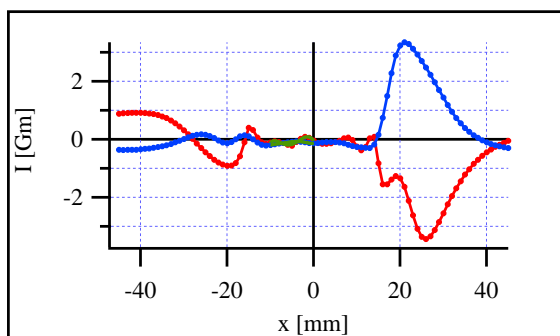
$$\Pi_z(\text{sBz}): -0.1732 \text{ G m}^2$$

I4 : 0.8878 A

H Sextupole : 262.3 G/cm

BzTrj RMS dev. : 0.5 um

BxTrj RMS dev. : 0.2 um



Kyma Srl

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