

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM\_20200508

Waves analysed : Bz255,Bx255,Izmes63,Ixmes63

Gap [mm] : 200

Phase [mm] : 7    Hall Z [mm] : 1    Peak Field Bx: 0.01467 T

Taper [mm] : 0    Hall X [mm]: 0    Delta Bx/Bx : 5.6 %

Peak Field Bz: 0.40730 T

Fund. En. (B2E) :  $2884.3 \text{ eV} = 0.4 \text{ nm}$

Radiation wavelength (lin. fit): 0.4 nm

Peaks used : 101

Undulator Period : 22.00+-0.03 mm

e-beam energy : 3 GeV

Bx Taper : -3.775 G/m

Bz Taper : 8.352 G/m

V Dipole : -7.9 G cm

Iz(coil) : -7.7 G cm

Pred. C.C. currents

V Quadrupole : 48.9 G

$$I_z(\text{BzC}): -7.7 \text{ Gcm} \quad I_z(\text{Bz}): 54.1 \text{ G cm}$$

I1 : 0.0730 A

V Sextupole : -26.8 G/cm

Ix(coil) : 14.0 G cm

I2 : -1.4595 A

$$I_x(B_xC) : 14.0 \text{ Gcm} \quad I_x(B_x) : 850.7 \text{ G cm}$$

H Dipole : 12.6 G cm

$$\Pi_X(sB_X) : 0.0975 \text{ G m}^2$$

I3 : -0.2693 A

H Quadrupole : -117.7 G

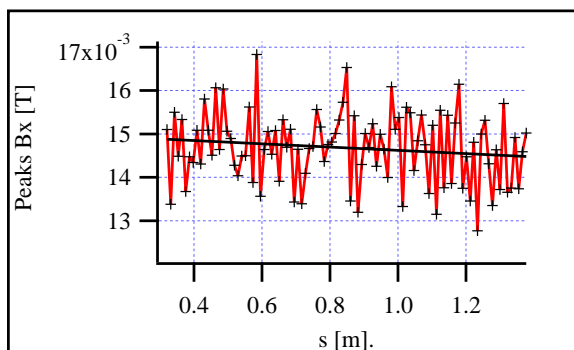
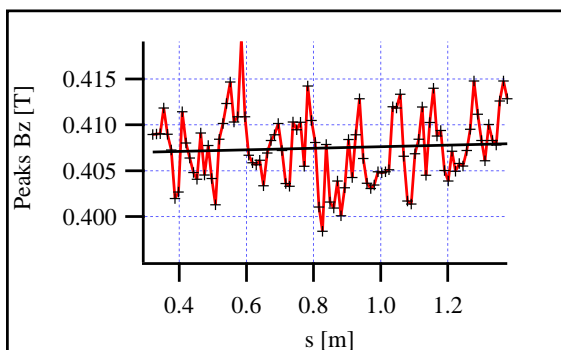
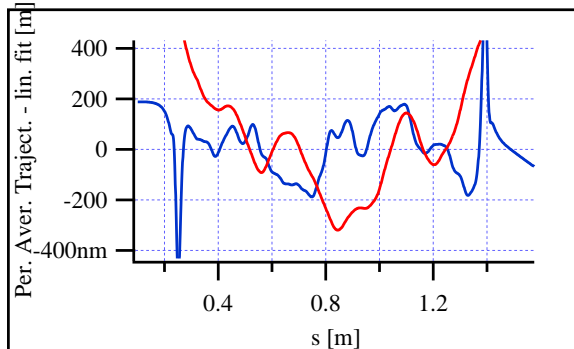
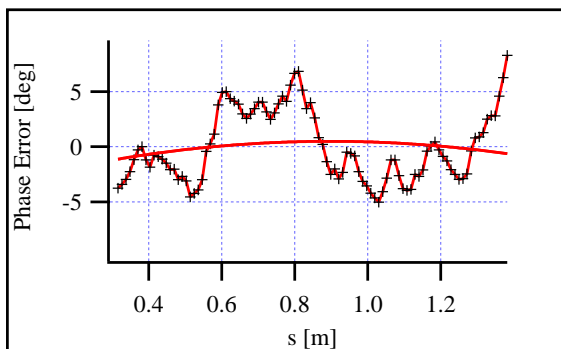
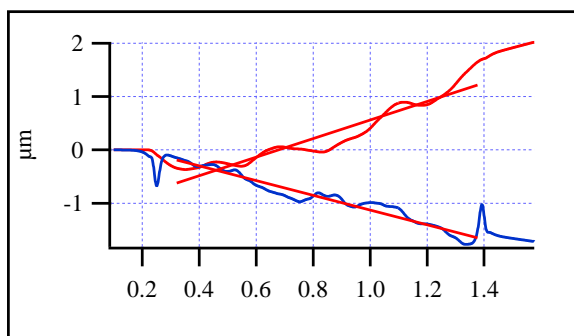
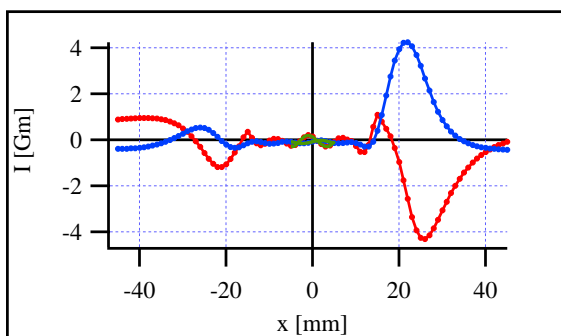
$$\Pi_Z(sB_Z): -0.1140 \text{ G m}^2$$

I4 : 0.0087 A

H Sextupole : -444.4 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.2 um



Kyma Srl

S.S. 14 km 163,5 in Area Science Park – IT-34149 Trieste, Italy - VAT no.: IT-01131640326  
Voice: +39.040.375.8796 – Fax: +39.040.375.8029 – E-mail: [info@kyma-undulators.eu](mailto:info@kyma-undulators.eu) – web: [www.kyma-undulators.eu](http://www.kyma-undulators.eu)