

# Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz153,Bx153,Izmes18,Ixmes18

Gap [mm] : 200

Phase [mm] : 4    Hall Z [mm] : 0    Peak Field Bx: 0.00827 T

RMS Phase Error : 2.48 deg

Taper [mm] : 0      Hall X [mm]: 0

Hall X [mm]: 0    Delta Bx/Bx : 8.9 %

Fund. En. (B2E) : 2272.6 eV = 0.5 nm

Peak Field Bz: 0.58191 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.02 mm

Delta Bz/Bz : 1.3 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 4.683 G/m

Bz Taper : -0.223 G/m

V Dipole : -6.2 G cm

Iz(coil) : -6.3 G cm

Pred. C.C. currents

V Quadrupole : -14.3 G

$$I_z(\text{BzC}): -6.3 \text{ G cm} \quad I_z(\text{Bz}): 56.0 \text{ G cm}$$

I1 : 0.4079 A

V Sextupole : 37.2 G/cm

$I_x(\text{coil}) : 10.5 \text{ G cm}$

I2 : -1.1167 A

H Dipole : 11.8 G cm

$$\Pi_X(sB_X) : 0.0153 \text{ G m}^2$$

I3 : -0.5172 A

H Quadrupole : -4.3 G

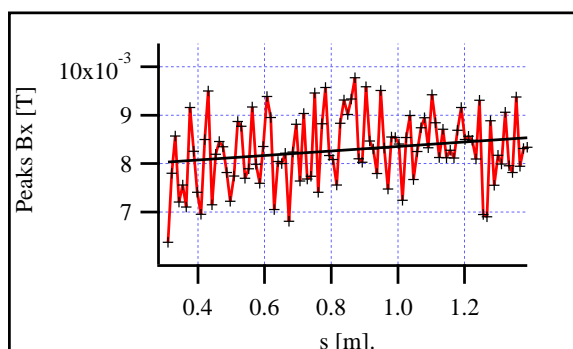
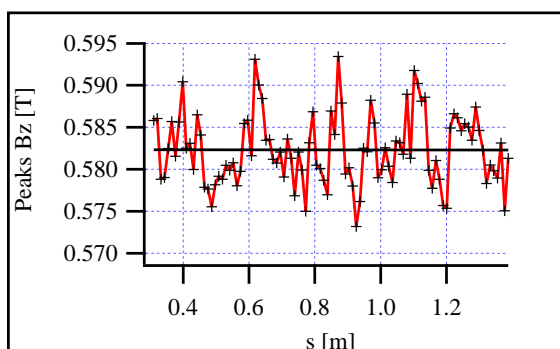
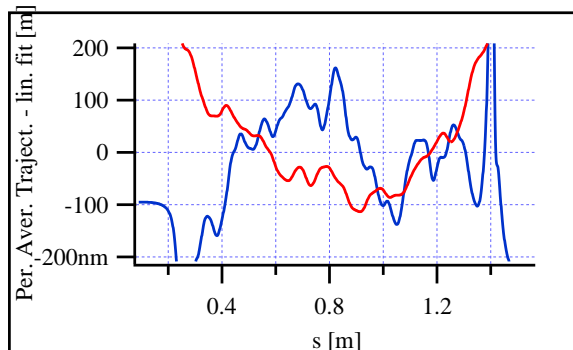
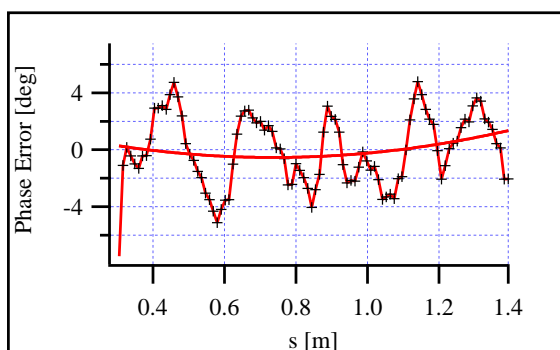
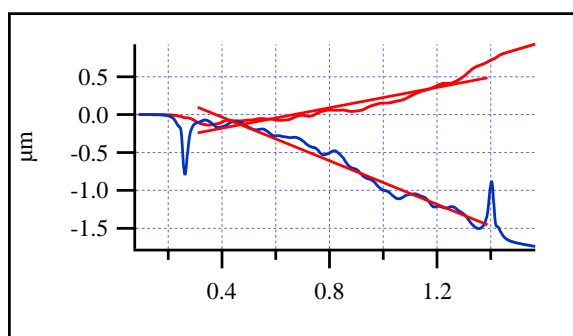
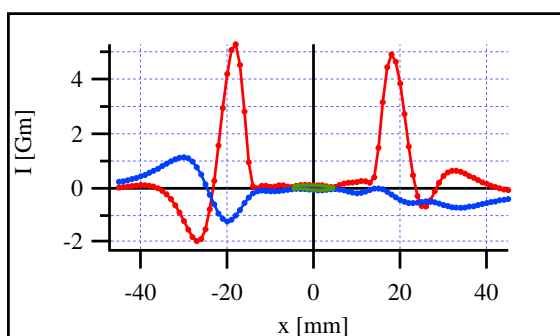
 $\mu_z(\text{sBz}): -0.1276 \text{ G m}^2$ 

I4 : -0.0145 A

H Sextupole : -22.2 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 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@kvma-undulators.eu](mailto:info@kvma-undulators.eu) - web: [www.kvma-undulators.eu](http://www.kvma-undulators.eu)