

# Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz373,Bx373,Izmes26,Ixmes26

Gap [mm] : 200

Phase [mm] : 6    Hall Z [mm] : 0    Peak Field Bx: 0.00253 T

RMS Phase Error : 2.37 deg

Taper [mm] : 0    Hall X [mm]: -12 Delta Bx/Bx : 75.0 %

Fund. En. (B2E) : 2901.6 eV = 0.4 nm

Peak Field Bz: 0.39006 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.04 mm Delta Bz/Bz : 1.2 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -0.558 G/m

Bz Taper : -4.712 G/m

Krms : 0.567

V Dipole : -7.6 G cm

Iz(coil) : -7.3 G cm

Pred. C.C. currents

V Quadrupole : 8.1 G

$$I_z(\text{BzC}): -7.3 \text{ Gcm} \quad I_z(\text{Bz}): 8.8 \text{ G cm}$$

I1 : 0.2160 A

V Sextupole : -166.3 G/cm

$I_x(\text{coil}) : 5.8 \text{ G cm}$

$$I_2 : 0.3652 \text{ A}$$
$$I_x(BxC) : 5.8 \text{ Gcm} \quad I_x(Bx) : 669.9 \text{ G cm}$$

H Dipole : -9.2 G cm

$$\Pi_X(sB_X) : -0.1597 \text{ G m}^2$$

I3 : 0.0392 A

H Quadrupole : 143.9 G

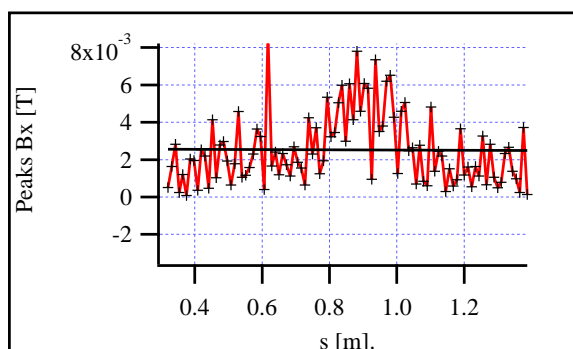
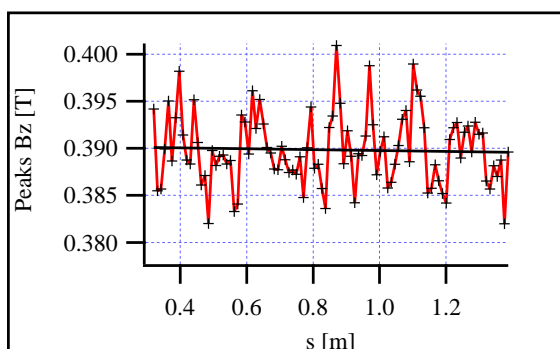
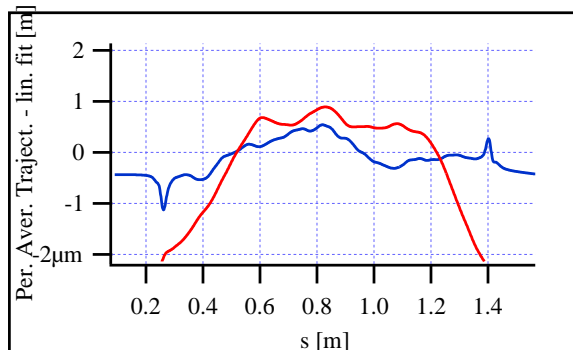
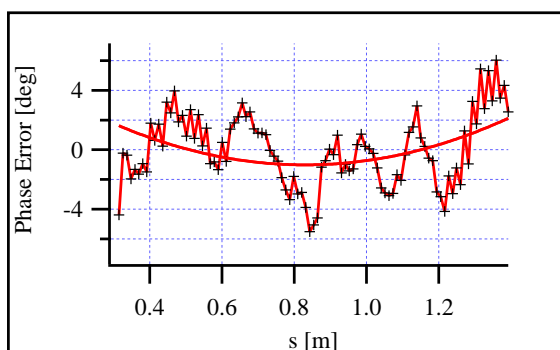
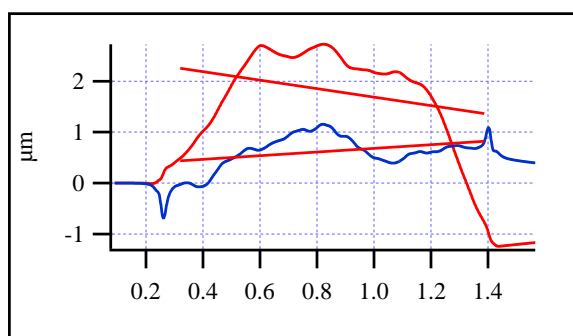
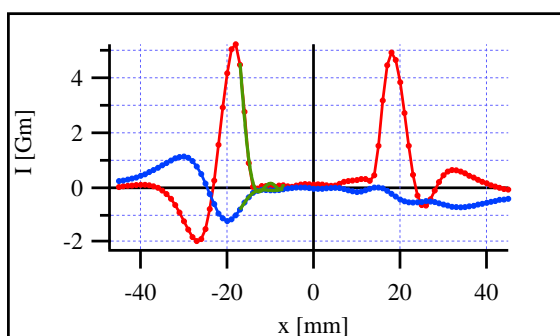
 $\Pi_z(\text{sBz}): 0.0938 \text{ G m}^2$ 

I4 : -1.3017 A

H Sextupole : 599.4 G/cm

BzTrj RMS dev. : 0.3  $\mu\text{m}$

BxTrj RMS dev. : 0.8 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)