

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz215,Bx215,Izmes47,Ixmes47

Gap [mm] : 200

Phase [mm] : 11 Hall Z [mm] : 1 Peak Field Bx: 0.01557 T

RMS Phase Error : 5.88 deg

Taper [mm] : 0    Hall X [mm]: -5    Delta Bx/Bx : 11.1 %

Fund. En. (B2E) : 3623.4 eV = 0.3 nm

Peak Field Bz: 0.18004 T

Radiation wavelength (lin. fit): 0.3 nm

Undulator Period : 22.00+-0.09 mm

Delta Bz/Bz : 10.0 %

Peaks used : 104

e-beam energy : 3 GeV

Bx Taper : 0.107 G/m

Bz Taper : -27.764 G/m

Krms : 0.263

V Dipole : 4.1 G cm

Iz(coil) : 4.0 G cm

Pred. C.C. currents

V Quadrupole : 17.3 G

$$I_z(\text{BzC}): 4.0 \text{ Gcm} \quad I_z(\text{Bz}): 7.4 \text{ G cm}$$

I1 : 0.1721 A

V Sextupole : -42.6 G/cm

$I_x(\text{coil}) : 10.7 \text{ G cm}$

I2 : -1.3967 A

$$I_x(B_x C) : 10.7 \text{ Gcm} \quad I_x(B_x) : -80.3 \text{ G cm}$$

H Dipole : 15.8 G cm

$$\Pi_X(sB_X) : 0.1026 \text{ G m}^2$$

I3 : -1.1260 A

H Quadrupole : -24.6 G

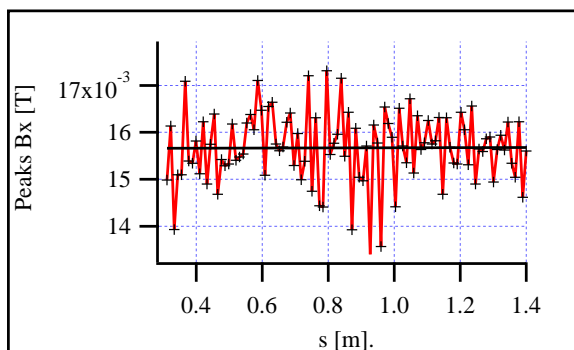
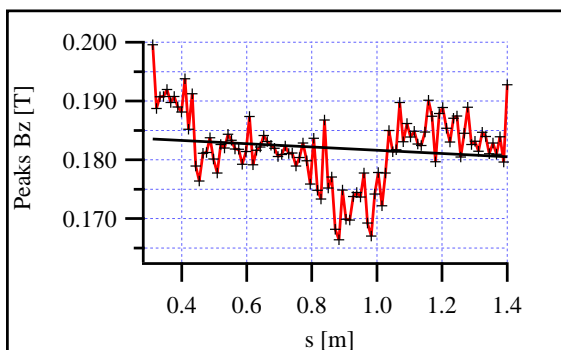
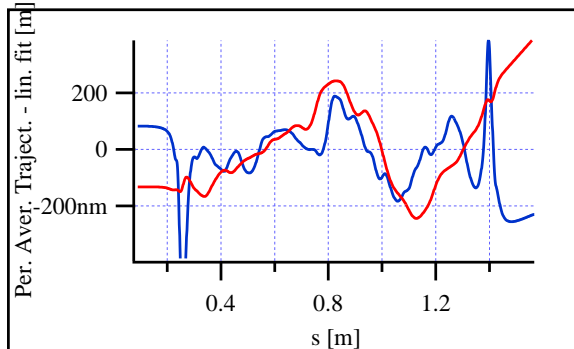
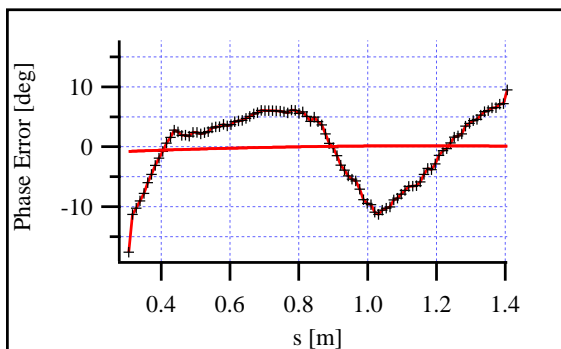
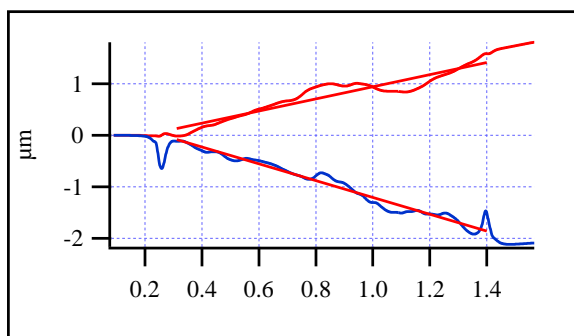
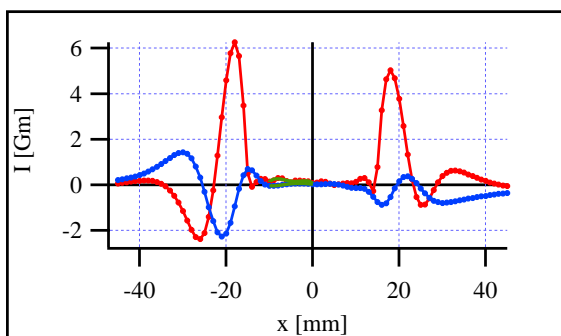
$\Pi_z(sB_z)$ : -0.2379 G m<sup>2</sup>

I4 : 1.0852 A

H Sextupole : 120.7 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)