

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz317,Bx317,Izmes9,Ixmes9

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : -1 Peak Field Bx: 0.04689 T

RMS Phase Error : 5.87 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 4.2 %

Fund. En. (B2E) : 2082.7 eV = 0.6 nm

Peak Field Bz: 0.63184 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.5 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 13.973 G/m

Bz Taper : -15.414 G/m

Krms : 0.920

V Dipole : -1.0 G cm

Iz(coil) : -3.0 G cm

Pred. C.C. currents

V Quadrupole : 210.5 G

Iz(BzC) : -3.0 Gcm Iz(Bz) : -2.2 G cm

I1 : -1.6823 A

V Sextupole : 528.7 G/cm

Ix(coil) : 12.8 G cm

I2 : -1.3148 A

Ix(BxC) : 12.8 Gcm Ix(Bx) : 452.0 G cm

H Dipole : -11.1 G cm

Ilx(sBx) : 0.3884 G m^2

I3 : 1.1701 A

H Quadrupole : -272.9 G

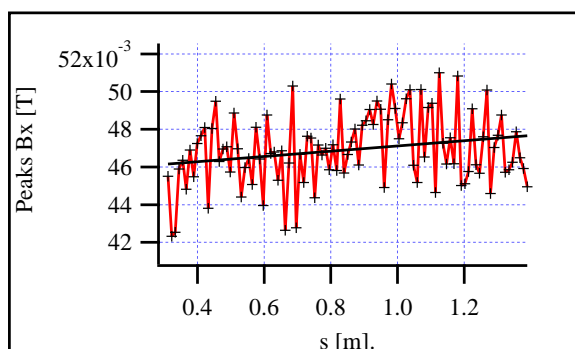
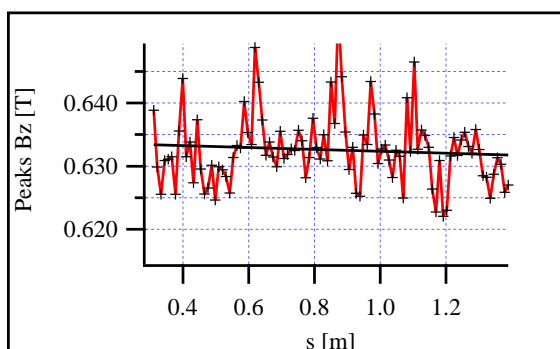
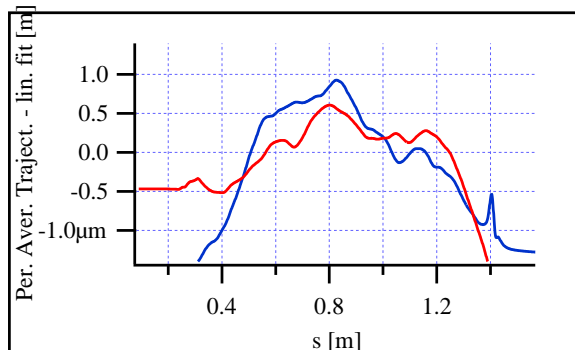
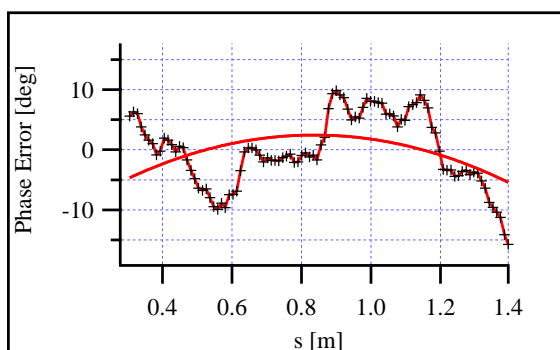
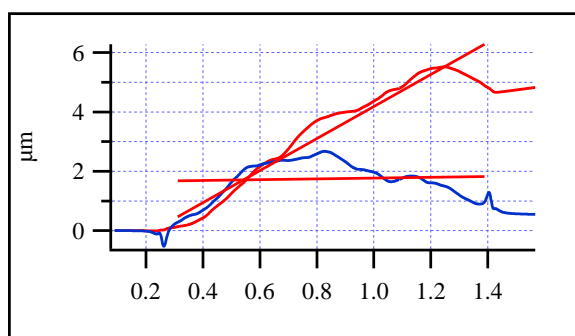
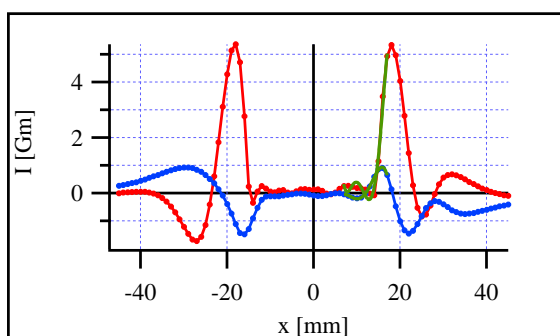
Ilz(sBz) : 0.0769 G m^2

I4 : 0.3161 A

H Sextupole : 989.3 G/cm

BzTrj RMS dev. : 0.6 um

BxTrj RMS dev. : 0.4 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 - web: www.kyma-undulators.eu