

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz361,Bx361,Izmes2,Ixmes2

Gap [mm] : 200

Phase [mm] : 0 Hall Z [mm] : 0 Peak Field Bx: 0.00286 T

RMS Phase Error : 3.41 deg

Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 55.2 %

Fund. En. (B2E) : 2144.6 eV = 0.6 nm

Peak Field Bz: 0.61692 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.1 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 12.971 G/m

Bz Taper : -9.249 G/m

Krms : 0.896

V Dipole : -6.1 G cm

Iz(coil) : -5.7 G cm

Pred. C.C. currents

V Quadrupole : -0.8 G

Iz(BzC): -5.7 Gcm Iz(Bz) : 28.6 G cm

I1 : -0.7868 A

V Sextupole : -172.3 G/cm

Ix(coil) : 14.1 G cm

I2 : 0.8308 A

Ix(BxC) : 14.1 Gcm Ix(Bx) : 30.4 G cm

H Dipole : -1.3 G cm

Ilx(sBx) : -0.1514 G m<sup>2</sup>

I3 : 0.4172 A

H Quadrupole : 140.7 G

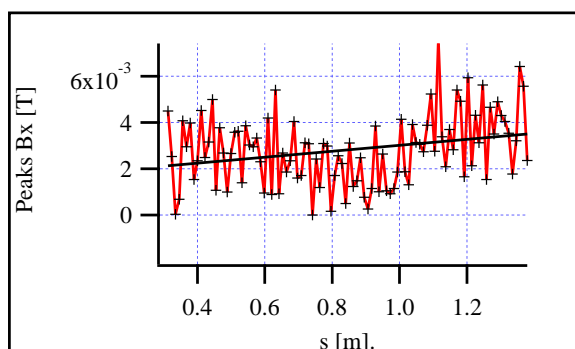
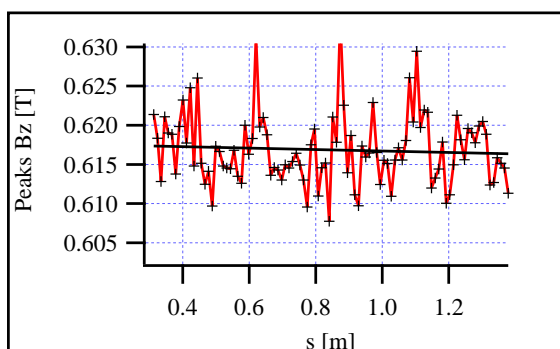
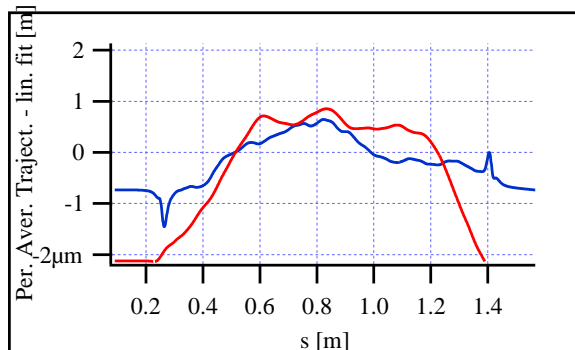
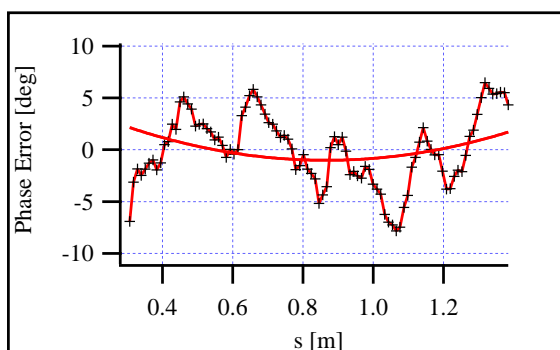
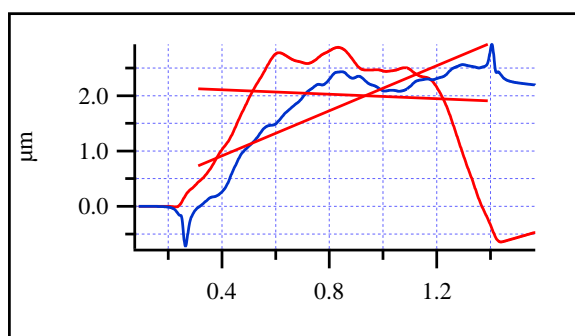
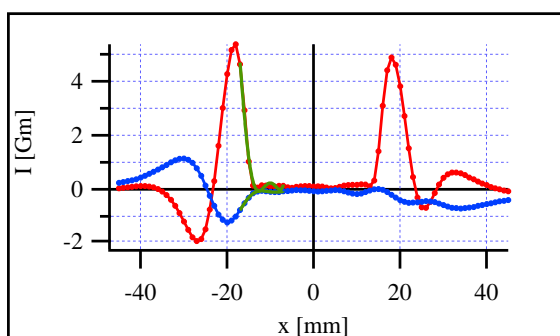
Ilz(sBz) : 0.2615 G m<sup>2</sup>

I4 : -2.1205 A

H Sextupole : 621.2 G/cm

BzTrj RMS dev. : 0.4 um

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@kyma-undulators.eu – web: www.kyma-undulators.eu