

# Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM\_20200224

Waves analysed : Bz53,Bx53,Izmes9,Ixmes9

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : -1 Peak Field Bx: 0.00522 T

RMS Phase Error : 4.16 deg

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 15.5 %

Fund. En. (B2E) : 1922.4 eV = 0.6 nm

Peak Field Bz: 0.69068 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.4 %

Peaks used : 103

e-beam energy : 3 GeV

Bx Taper : 4.371 G/m

Bz Taper : -7.890 G/m

Krms : 1.004

V Dipole : -4.0 G cm

Iz(coil) : -4.3 G cm

Pred. C.C. currents

V Quadrupole : 21.2 G

Iz(BzC): -4.3 Gcm Iz(Bz) : 26.0 G cm

I1 : 0.6293 A

V Sextupole : -39.1 G/cm

Ix(coil) : -1.1 G cm

I2 : -1.0333 A

Ix(BxC) : -1.1 Gcm Ix(Bx) : 495.7 G cm

H Dipole : 3.9 G cm

Ilx(sBx) : 0.0815 G m<sup>2</sup>

I3 : -0.2147 A

H Quadrupole : 11.3 G

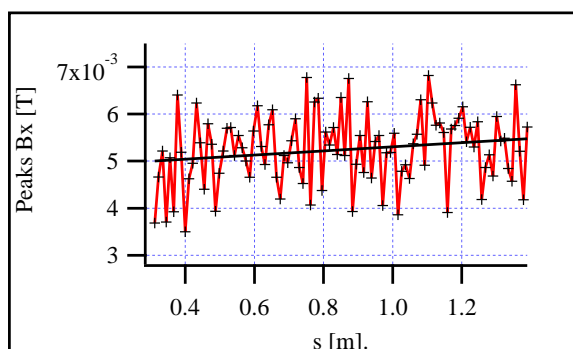
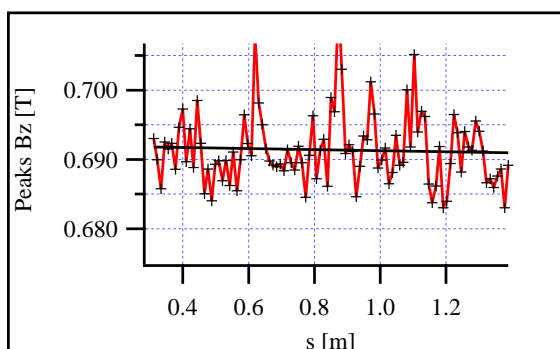
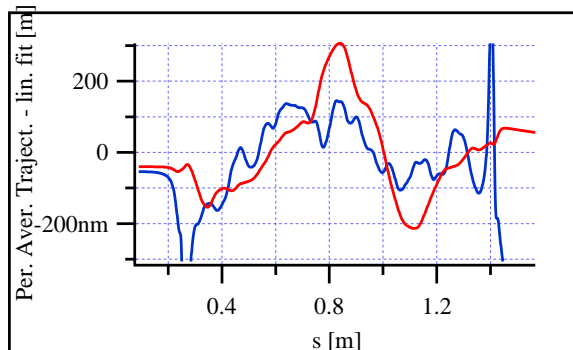
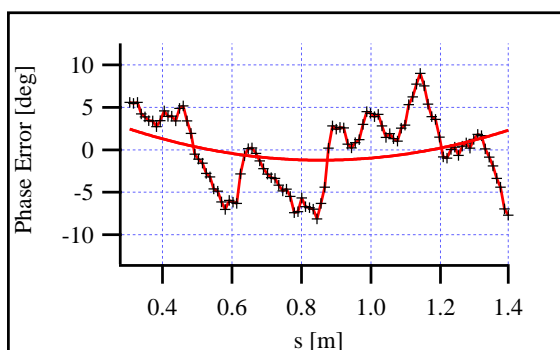
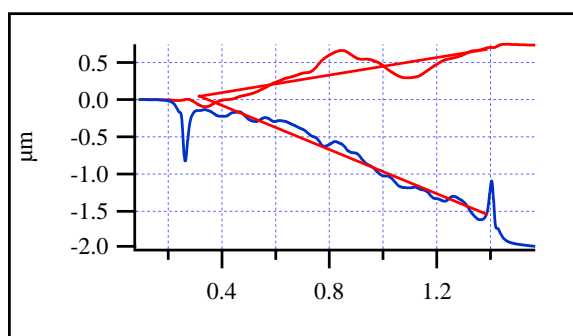
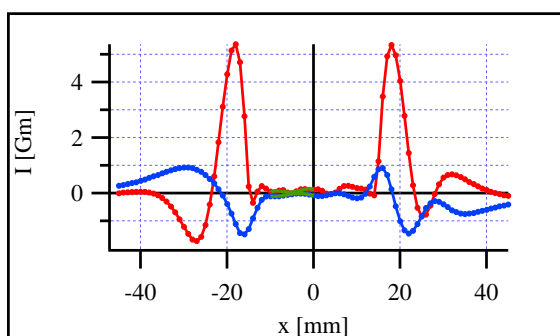
Ilz(sBz): -0.1655 G m<sup>2</sup>

I4 : 0.7516 A

H Sextupole : 105.9 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@kyma-undulators.eu – web: www.kyma-undulators.eu