

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz115,Bx115,Izmes19,Ixmes19

Gap [mm] : 200

Phase [mm] : 9 Hall Z [mm] : -1 Peak Field Bx: 0.00950 T

RMS Phase Error : 7.59 deg

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 9.8 %

Fund. En. (B2E) : 2779.7 eV = 0.4 nm

Peak Field Bz: 0.43302 T

Radiation wavelength (lin. fit): 0.4 nm

Undulator Period : 22.00+-0.06 mm Delta Bz/Bz : 1.6 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -3.574 G/m

Bz Taper : -8.770 G/m

Krms : 0.629

V Dipole : -13.4 G cm

Iz(coil) : -14.1 G cm

Pred. C.C. currents

V Quadrupole : -0.9 G

Iz(BzC) : -14.1 Gcm Iz(Bz) : 34.1 G cm

I1 : 0.3878 A

V Sextupole : 74.2 G/cm

Ix(coil) : -6.2 G cm

I2 : -0.5041 A

Ix(BxC) : -6.2 Gcm Ix(Bx) : 527.7 G cm

H Dipole : -5.5 G cm

Ilx(sBx) : 0.0833 G m^2

I3 : 1.1186 A

H Quadrupole : -85.9 G

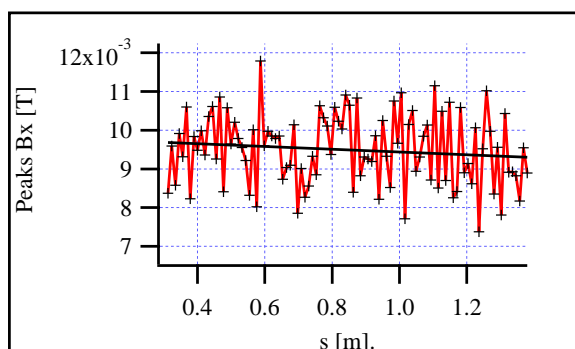
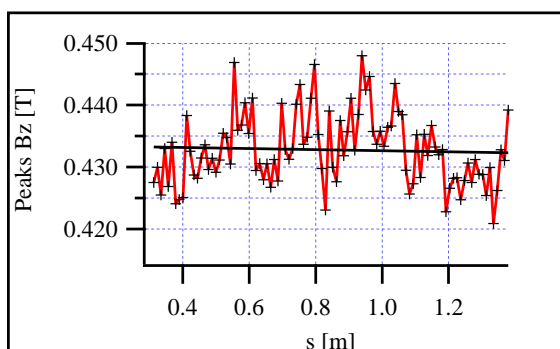
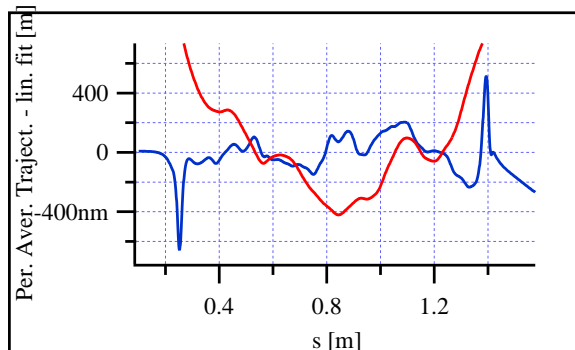
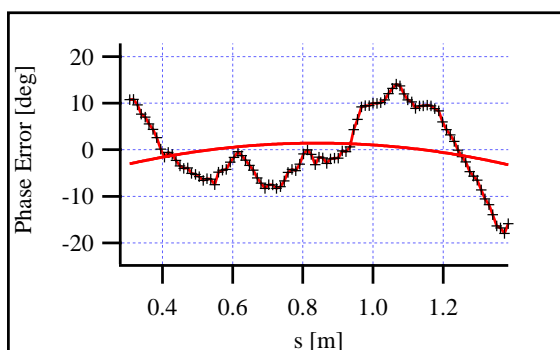
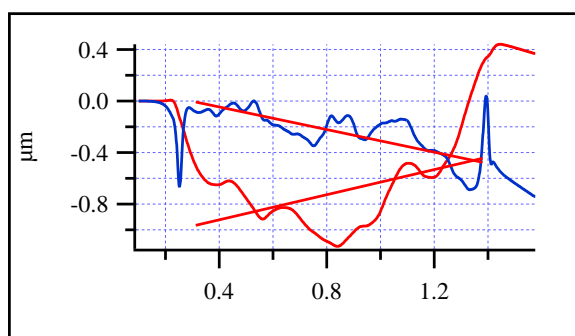
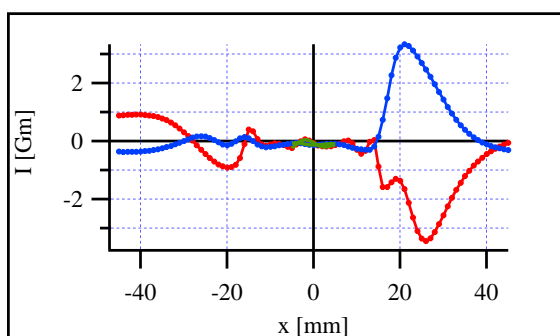
Ilz(sBz) : 0.0314 G m^2

I4 : -0.2728 A

H Sextupole : -43.9 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.3 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