

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz147,Bx147,Izmes27,Ixmes27

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : 0 Peak Field Bx: 0.00994 T

RMS Phase Error : 2.85 deg

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 11.7 %

Fund. En. (B2E) : 1882.6 eV = 0.7 nm

Peak Field Bz: 0.70577 T

Radiation wavelength (lin. fit): 0.7 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.3 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -2.214 G/m

Bz Taper : -6.328 G/m

Krms : 1.026

V Dipole : -18.1 G cm

Iz(coil) : -18.4 G cm

Pred. C.C. currents

V Quadrupole : -13.2 G

Iz(BzC) : -18.4 Gcm Iz(Bz) : 52.9 G cm

I1 : -0.3506 A

V Sextupole : 10.1 G/cm

Ix(coil) : -9.7 G cm

I2 : -1.3455 A

Ix(BxC) : -9.7 Gcm Ix(Bx) : 91.9 G cm

H Dipole : -9.5 G cm

Ilx(sBx) : 0.3933 G m^2

I3 : 2.4136 A

H Quadrupole : 80.3 G

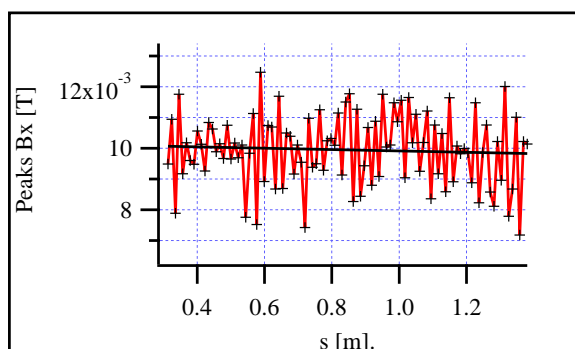
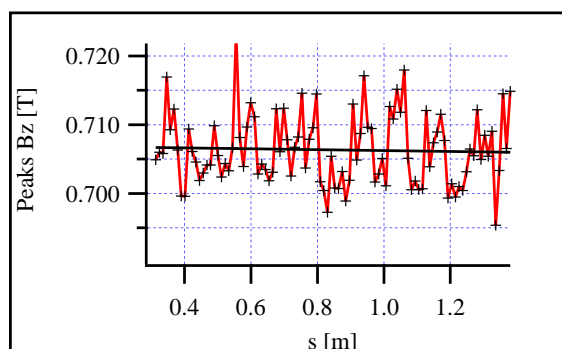
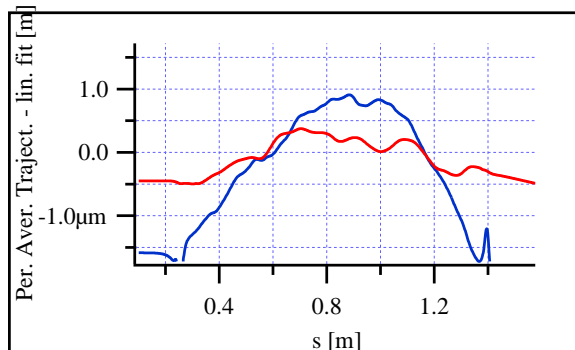
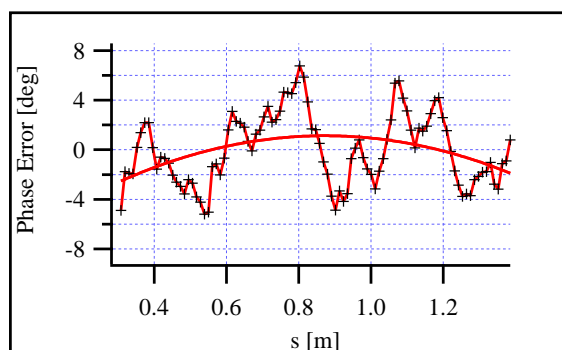
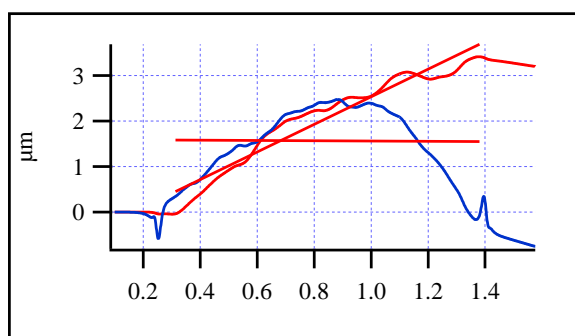
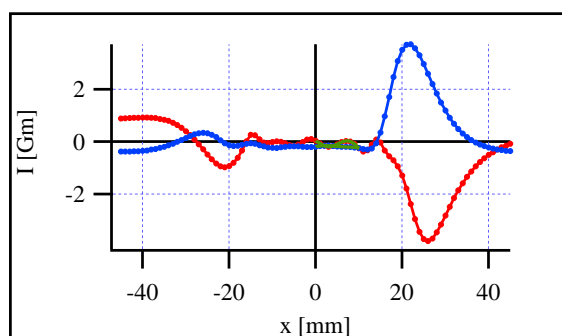
Ilz(sBz) : 0.0622 G m^2

I4 : 0.4301 A

H Sextupole : 40.9 G/cm

BzTrj RMS dev. : 0.7 um

BxTrj RMS dev. : 0.2 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