

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM_20200508

Waves analysed : Bz219,Bx219,Izmes51,Ixmes51

Gap [mm] : 200

Phase [mm] : 1 Hall Z [mm] : 1 Peak Field Bx: 0.00871 T

RMS Phase Error : 2.70 deg

Taper [mm] : 0 Hall X [mm] : -5 Delta Bx/Bx : 10.9 %

Fund. En. (B2E) : 1929.1 eV = 0.6 nm

Peak Field Bz: 0.68977 T

Radiation wavelength (lin. fit): 0.6 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.2 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : 1.697 G/m

Bz Taper : 0.866 G/m

Krms : 1.002

V Dipole : -14.7 G cm

Iz(coil) : -14.3 G cm

Pred. C.C. currents

V Quadrupole : -27.6 G

Iz(BzC) : -14.3 Gcm Iz(Bz) : 77.2 G cm

I1 : 1.3054 A

V Sextupole : -81.2 G/cm

Ix(coil) : -23.8 G cm

I2 : -0.3304 A

Ix(BxC) : -23.8 Gcm Ix(Bx) : 92.3 G cm

H Dipole : -21.1 G cm

IIx(sBx) : 0.0737 G m²

I3 : 1.2524 A

H Quadrupole : -35.9 G

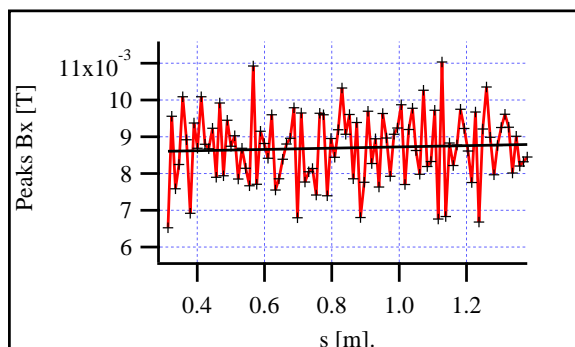
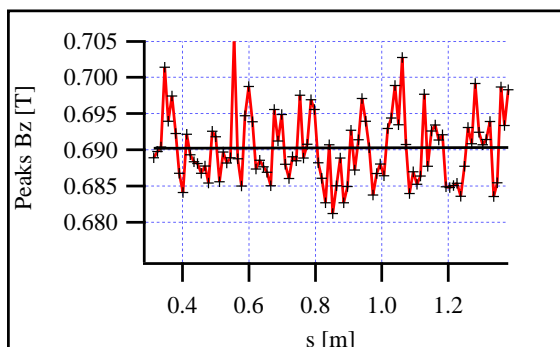
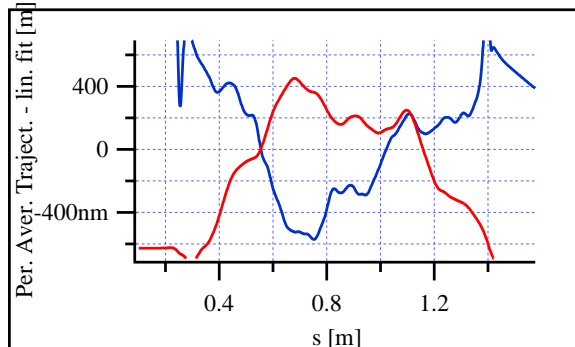
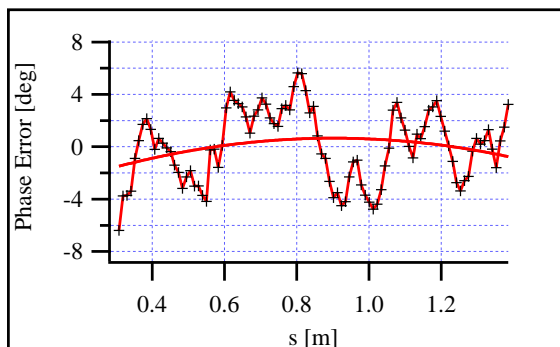
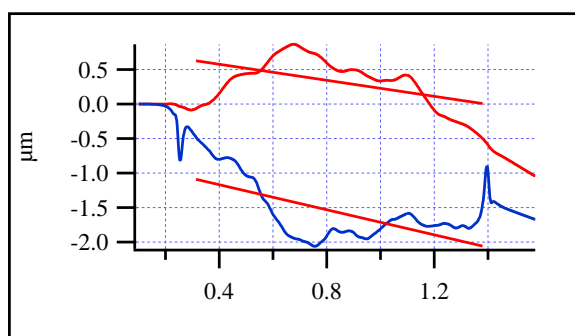
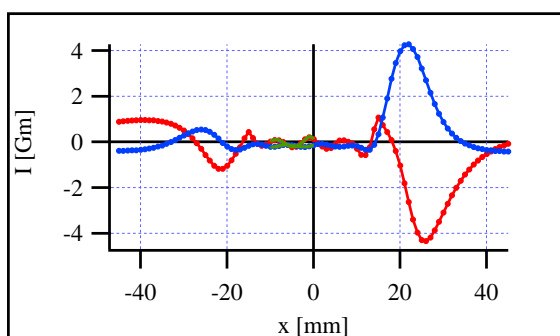
IIz(sBz) : -0.0602 G m²

I4 : 0.5730 A

H Sextupole : 449.9 G/cm

BzTrj RMS dev. : 0.3 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