

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM\_20200508

Waves analysed : Bz181,Bx181,Izmes37,Ixmes37

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : 0 Peak Field Bx: 0.01366 T

RMS Phase Error : 2.50 deg

Taper [mm] : 0 Hall X [mm] : 0 Delta Bx/Bx : 6.3 %

Fund. En. (B2E) : 2523.0 eV = 0.5 nm

Peak Field Bz: 0.50477 T

Radiation wavelength (lin. fit): 0.5 nm

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.1 %

Peaks used : 102

e-beam energy : 3 GeV

Bx Taper : -4.493 G/m

Bz Taper : -3.892 G/m

Krms : 0.734

V Dipole : -11.4 G cm

Iz(coil) : -12.0 G cm

Pred. C.C. currents

V Quadrupole : 18.9 G

Iz(BzC) : -12.0 Gcm Iz(Bz) : 58.9 G cm

I1 : 0.2749 A

V Sextupole : 20.1 G/cm

Ix(coil) : 3.7 G cm

I2 : -1.0882 A

Ix(BxC) : 3.7 Gcm Ix(Bx) : 909.5 G cm

H Dipole : 3.8 G cm

Ilx(sBx) : 0.1032 G m<sup>2</sup>

I3 : 0.4787 A

H Quadrupole : -79.8 G

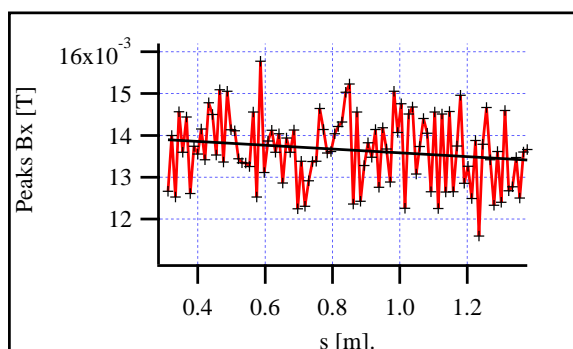
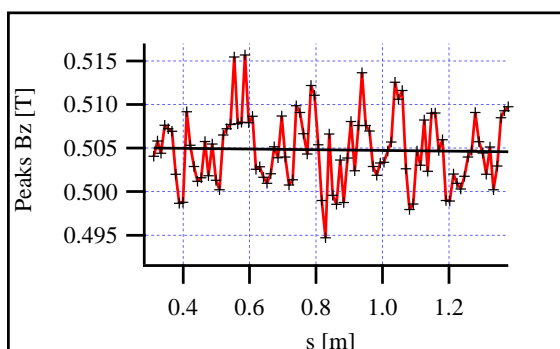
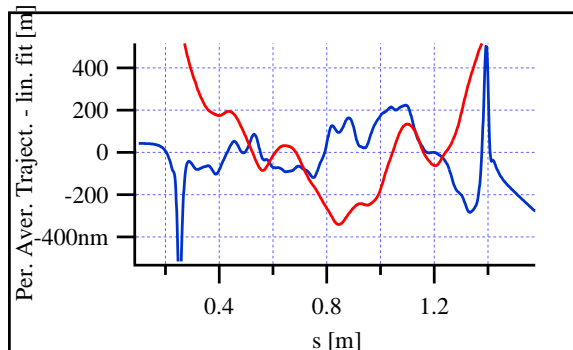
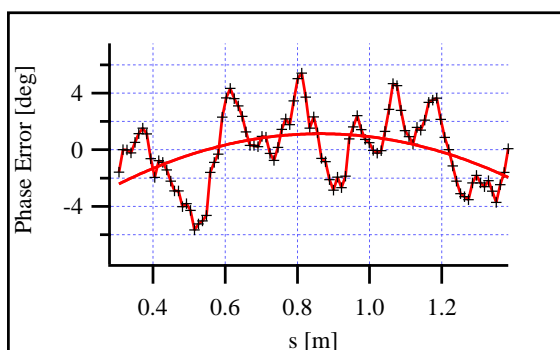
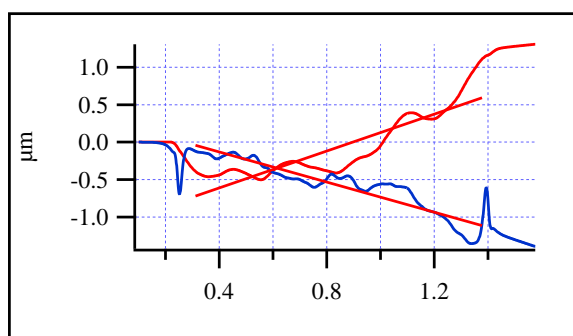
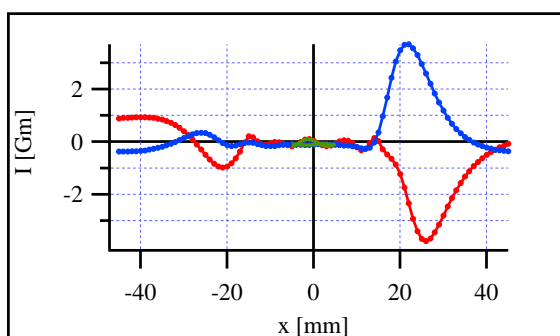
Ilz(sBz) : -0.0493 G m<sup>2</sup>

I4 : -0.1012 A

H Sextupole : -185.8 G/cm

BzTrj RMS dev. : 0.1 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