

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM\_20200508

Waves analysed : Bz153,Bx153,Izmes33,Ixmes33

Gap [mm] : 200

Phase [mm] : 4    Hall Z [mm] : 0    Peak Field Bx: 0.01457 T

RMS Phase Error : 3.23 deg

Taper [mm] : 0    Hall X [mm]: 5    Delta Bx/Bx : 8.2 %

Delta Bx/Bx : 8.2 %

Fund. En. (B2E) : 2129.9 eV = 0.6 nm

Peak Field Bz: 0.62563 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 : -4.291 G/m

Bz Taper : -12.083 G/m

Krms : 0.909

V Dipole : -15.2 G cm

Iz(coil) : -15.3 G cm

Pred. C.C. currents

V Quadrupole : -14.0 G

$$I_z(\text{BzC}): -15.3 \text{ Gcm} \quad I_z(\text{Bz}): 65.7 \text{ G cm}$$

I1 : -0.0371 A

V Sextupole : 3.0 G/cm

Ix(coil) : -7.4 G cm

I2 : -1.8279 A

$$I_x(B \times C) : -7.4 \text{ Gcm} \quad I_x(B \times) : 718.9 \text{ G cm}$$

H Dipole : -7.3 G cm

$$\Pi_X(sB_X) : 0.3990 \text{ G m}^2$$

I3 : 1.7162 A

H Quadrupole : 76.7 G

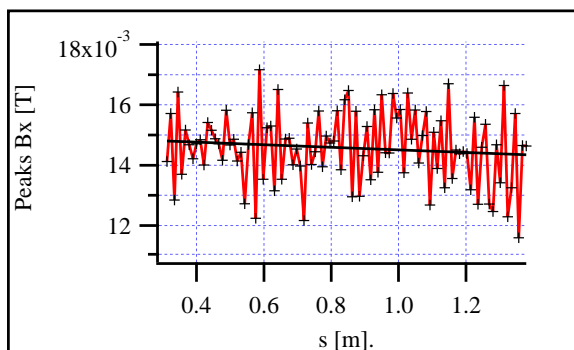
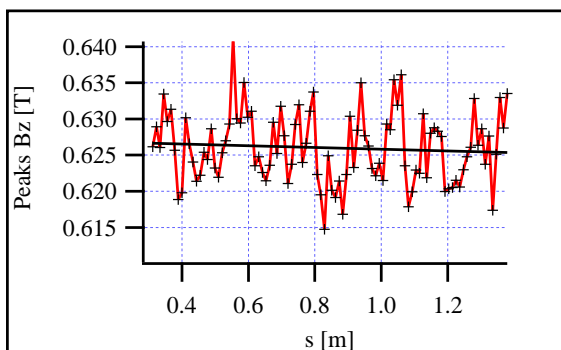
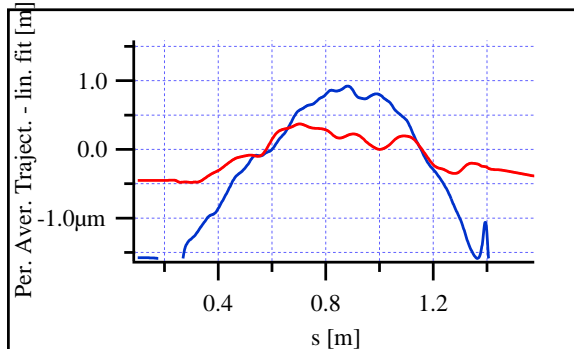
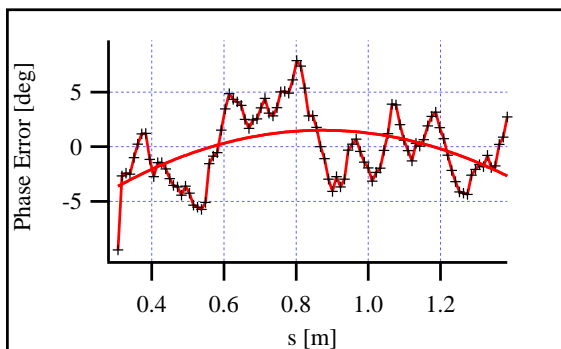
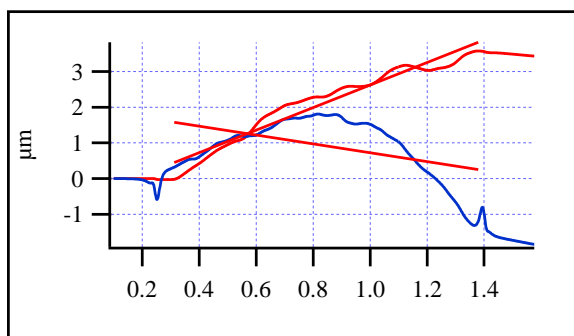
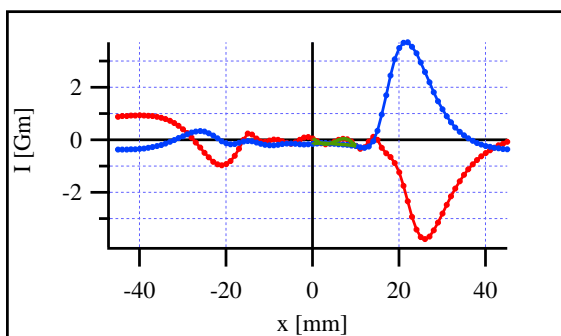
$$\Pi_z(sBz): -0.0692 \text{ G m}^2$$

I4 : 1.0246 A

H Sextupole : 37.2 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](mailto:info@kyma-undulators.eu) – web: [www.kyma-undulators.eu](http://www.kyma-undulators.eu)