

# Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz85,Bx85,Izmes25,Ixmes25

Gap [mm] : 200

RMS Phase Error : 5.72 deg

Delta Bx/Bx : 9.1 %

Fund. En. (B2E) : 2583.6 eV = 0.5 nm

Radiation wavelength (lin. fit): 0.5 nm

Peaks used : 102

Delta Bz/Bz : 1.1 %

e-beam energy : 3 GeV

Bx Taper : 2.843 G/m

Bz Taper : 10.049 G/m

Krms : 0.713

Iz(coil) : -4.4 G cm

Pred. C.C. currents

$$I_z(\text{BzC}): -4.4 \text{ Gcm} \quad I_z(\text{Bz}): 39.9 \text{ G cm}$$

I1 : -0.1036 A

$I_x(\text{coil}) : 14.6 \text{ G cm}$

I2 : -1.0652 A

$$I_x(B_xC) : 14.6 \text{ Gcm} \quad I_x(B_x) : 895.3 \text{ G cm}$$
$$\Pi_X(sB_X) : 0.0535 \text{ G m}^2$$

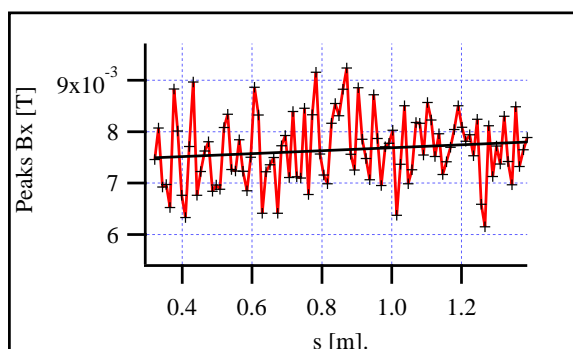
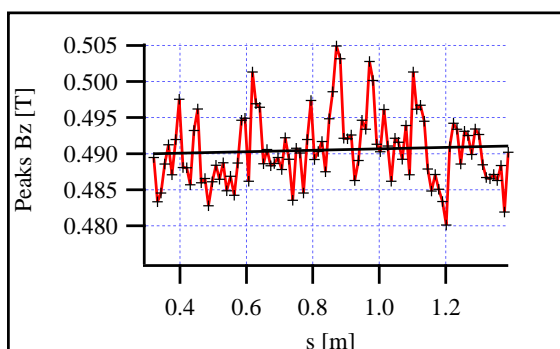
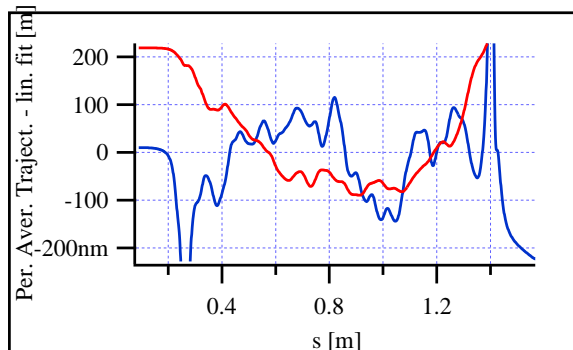
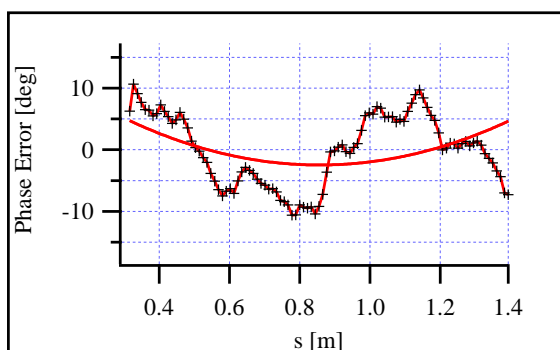
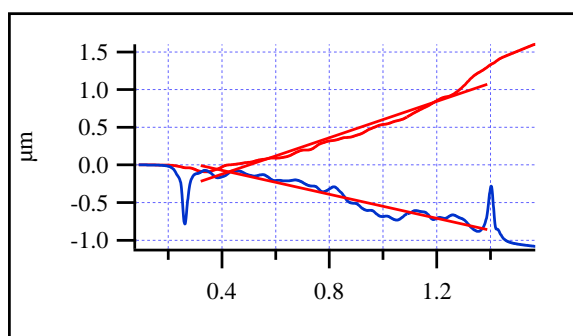
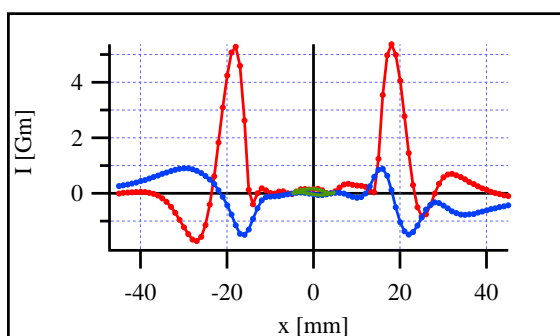
I3 : -0.3957 A

 $\Pi_z(\text{sBz}): -0.0756 \text{ G m}^2$ 

I4 : -0.1558 A

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 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)