

Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz139,Bx139,Izmes38,Ixmes38

Gap [mm] : 200

RMS Phase Error : 3.17 deg

Fund. En. (B2E) : $3663.6 \text{ eV} = 0.3 \text{ nm}$

Radiation wavelength (lin. fit): 0.3 nm

Peaks used : 102

Delta Bz/Bz : 3.5 %

Bx Taper : 2.691 G/m

Bz Taper : 36.545 G/m

Iz(coil) : 1.2 G cm

Pred. C.C. currents

$$I_z(\text{BzC}): 1.2 \text{ Gcm} \quad I_z(\text{Bz}): 18.0 \text{ G cm}$$

I1 : 0.4302 A

$I_x(\text{coil}) : 6.4 \text{ G cm}$

I2 : -1.3408 A

$$I_x(BxC) : 6.4 \text{ Gcm} \quad I_x(Bx) : 421.4 \text{ G cm}$$
$$\Pi_X(sB_X) : 0.0929 \text{ G m}^2$$

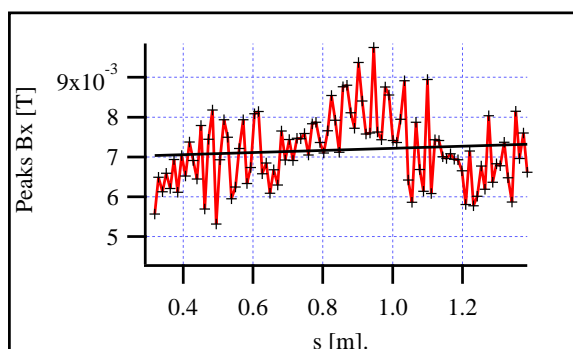
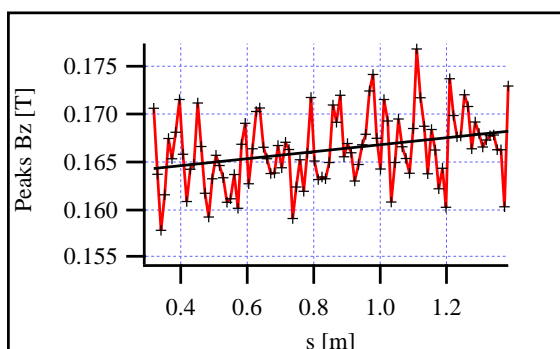
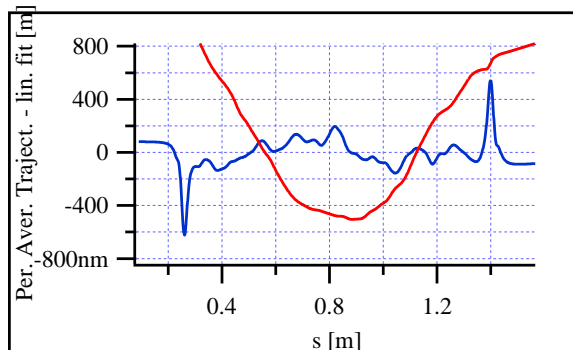
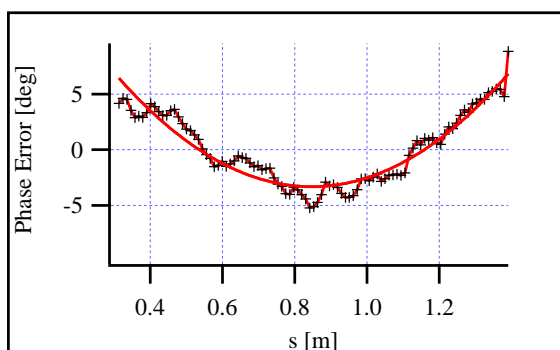
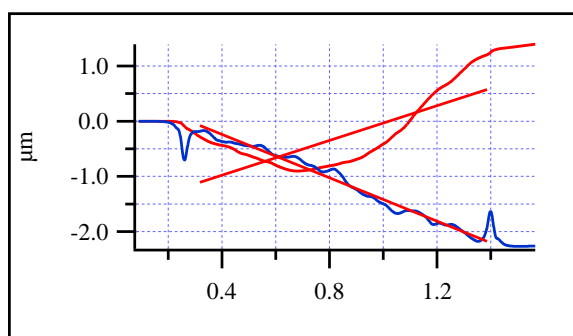
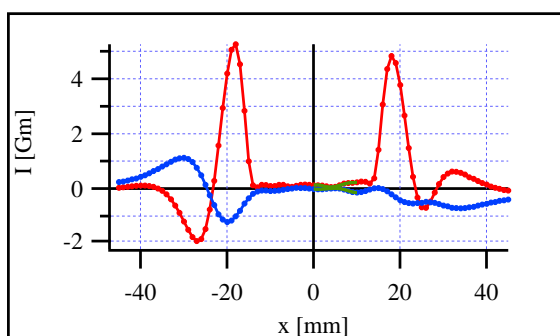
I3 : -0.8978 A

 $\Pi_z(\text{sBz}): -0.2347 \text{ G m}^2$

I4 : 1.0599 A

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 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