

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz205,Bx205,Izmes27,Ixmes27

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : 1 Peak Field Bx: 0.01325 T

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 6.0 %

Peak Field Bz: 0.47761 T

Undulator Period : 22.00+-0.03 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.6 %

Bx Taper : 2.964 G/m

Krms : 0.694

V Dipole : -2.1 G cm

Iz(coil) : -2.3 G cm

V Quadrupole : 18.6 G

$$I_z(\text{BzC}): -2.3 \text{ Gcm} \quad I_z(\text{Bz}) : 30.9 \text{ G cm}$$

V Sextupole : -39.9 G/cm

$I_x(\text{coil}) : 0.8 \text{ G cm}$

$$I_x(B_xC) : 0.8 \text{ Gcm} \quad I_x(B_x) : 870.4 \text{ G cm}$$

H Dipole : 6.0 G cm

$$\Pi_X(sB_X) : 0.0649 \text{ G m}^2$$

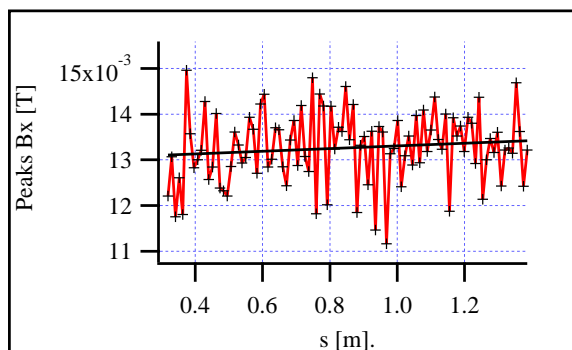
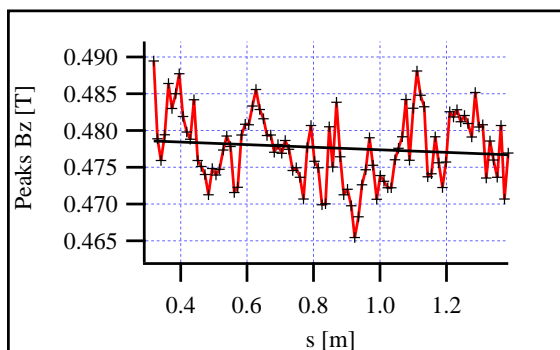
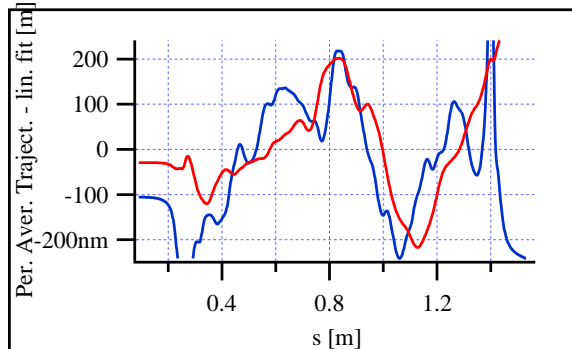
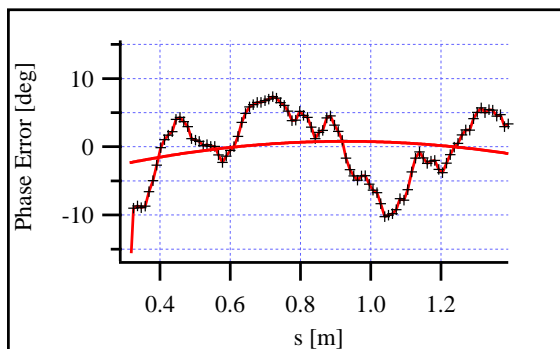
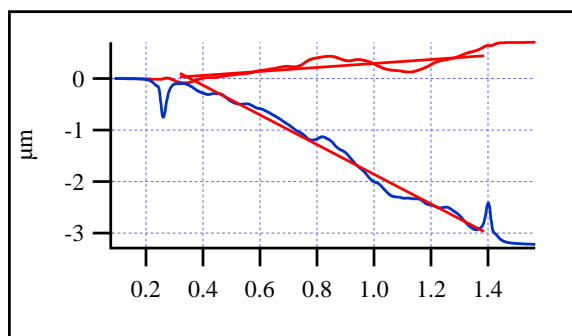
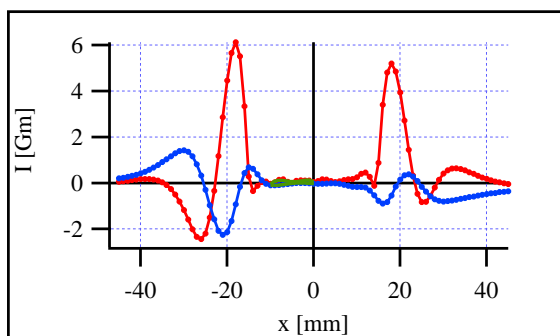
H Quadrupole : -11.9 G

 $\Pi_z(\text{sBz}): -0.3050 \text{ G m}^2$

H Sextupole : 113.4 G/cm

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@kvma-undulators.eu – web: www.kvma-undulators.eu