

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz301,Bx301,Izmes61,Ixmes61

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : 1 Peak Field Bx: 0.00382 T

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 62.7 %

Peak Field Bz: 0.42543 T

Undulator Period : 22.00+-0.03 mm

e-beam energy : 3 GeV

Bx Taper : 0.593 G/m

Krms : 0.618

V Dipole : -31.0 G cm

Iz(coil) : -30.6 G cm

V Quadrupole : -53.1 G

$$I_z(\text{BzC}): -30.6 \text{ Gcm} \quad I_z(\text{Bz}) : 26.6 \text{ G cm}$$

V Sextupole : 491.6 G/cm

$I_x(\text{coil}) : -53.4 \text{ G cm}$

$$I_x(BxC) : -53.4 \text{ Gcm} \quad I_x(Bx) : 634.6 \text{ G cm}$$

H Dipole : -42.7 G cm

$$\Pi_X(sB_X) : 1.1951 \text{ G m}^2$$

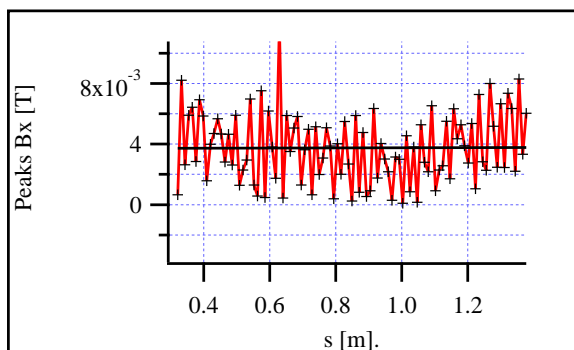
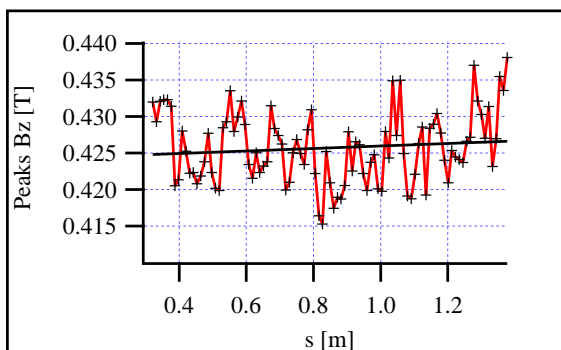
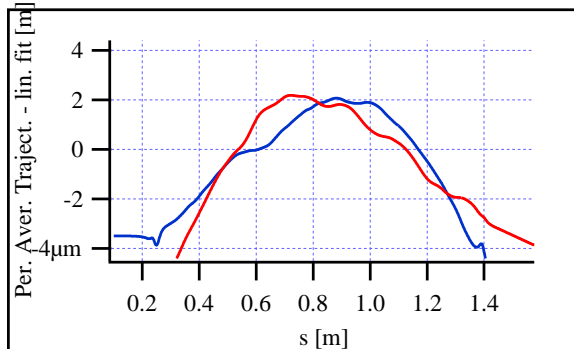
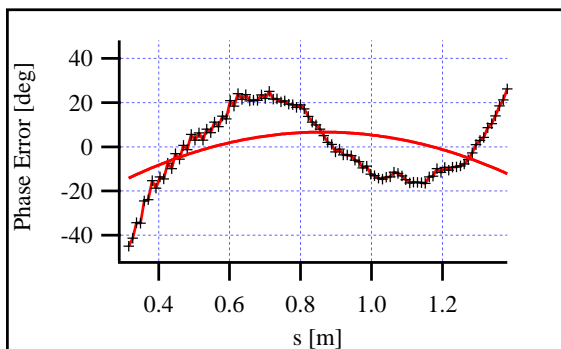
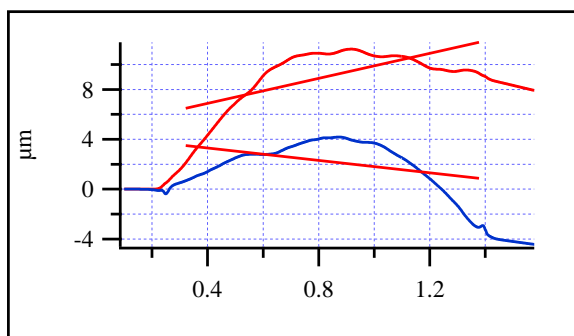
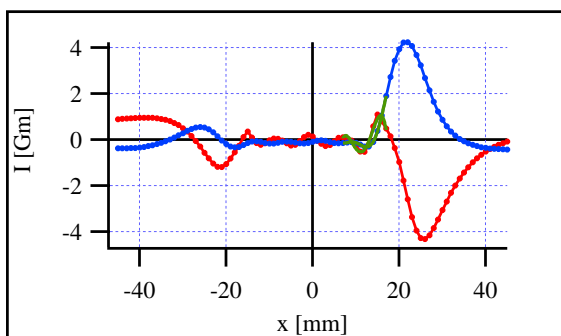
H Quadrupole : 240.6 G

 $\Pi_z(\text{sBz}): -0.2130 \text{ G m}^2$

H Sextupole : 1294.4 G/cm

BzTrj RMS dev. : 1.7 um

BxTrj RMS dev. : 1.7 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