

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz253,Bx253,Izmes27,Ixmes27

Gap [mm] : 200

Phase [mm] : 6 Hall Z [mm] : 1 Peak Field Bx: 0.00315 T

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 27.4 %

Peak Field Bz: 0.47974 T

Undulator Period : 22.00+-0.03 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.6 %

Bx Taper : 3.362 G/m

Krms : 0.697

V Dipole : -2.1 G cm

V Quadrupole : -12.2 G

V Sextupole : -84.2 G/cm

Iz(coil) : -1.9 G cm

$$I_z(\text{BzC}): -1.9 \text{ Gcm} \quad I_z(\text{Bz}) : 20.6 \text{ G cm}$$

$I_x(\text{coil}) : 3.5 \text{ G cm}$

$$I_x(BxC) : 3.5 \text{ Gcm} \quad I_x(Bx) : 877.1 \text{ G cm}$$

H Dipole : 7.5 G cm

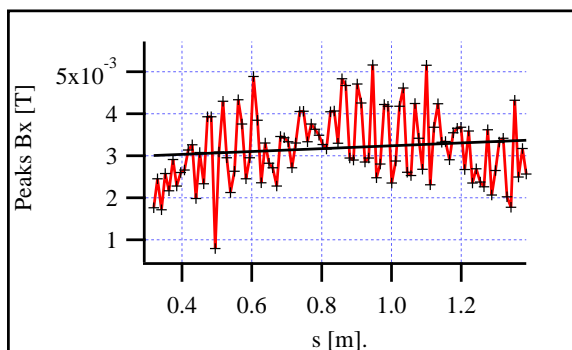
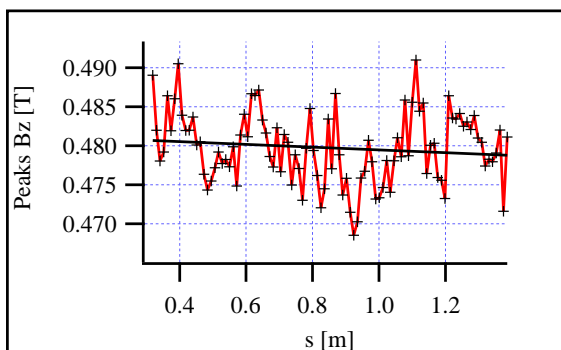
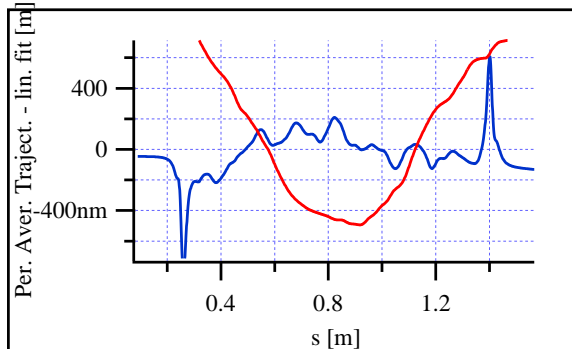
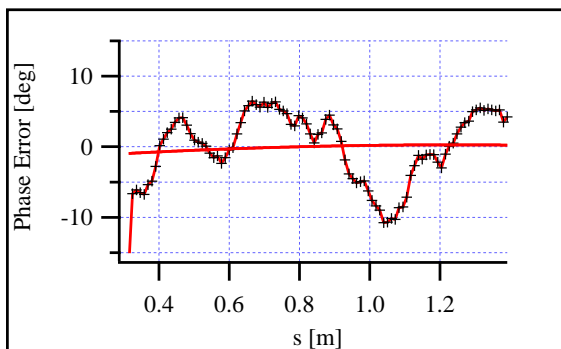
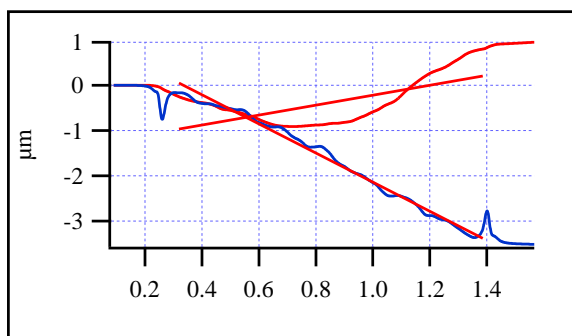
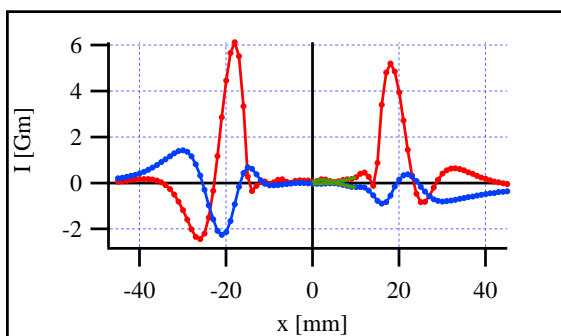
H Quadrupole : -10.5 G

H Sextupole : 103.4 G/cm

$$\Pi_X(sB_X) : 0.0687 \text{ G m}^2$$
 $\mu_z(sB_z): -0.3378 \text{ G m}^2$

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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