

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz319,Bx319,Izmes31,Ixmes31

Gap [mm] : 200

Phase [mm] : 3 Hall Z [mm] : 0 Peak Field Bx: 0.02124 T

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 12.7 %

Peak Field Bz: 0.58351 T

Undulator Period : 22.00+/-0.02 mm Delta Bz/Bz : 1.3 %

e-beam energy : 3 GeV

Bx Taper : 0.843 G/m

Krms : 0.848

V Dipole : -29.0 G cm

Iz(coil) : -27.5 G cm

V Quadrupole : 4.1 G

$$I_z(\text{BzC}): -27.5 \text{ Gcm} \quad I_z(\text{Bz}) : 53.6 \text{ G cm}$$

V Sextupole : 433.1 G/cm

Ix(coil) : -29.9 G cm

$$I_x(B_xC) : -29.9 \text{ Gcm} \quad I_x(B_x) : 436.2 \text{ G cm}$$

H Dipole : -22.6 G cm

$$\Pi_X(sB_X) : 1.1851 \text{ G m}^2$$

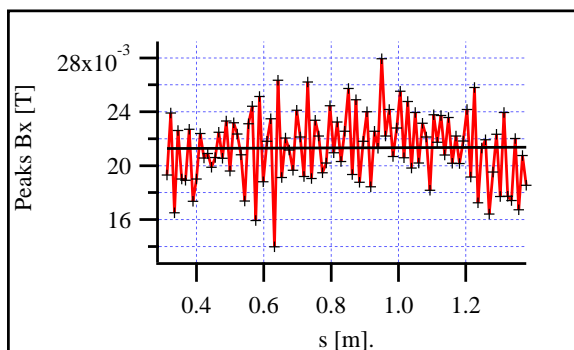
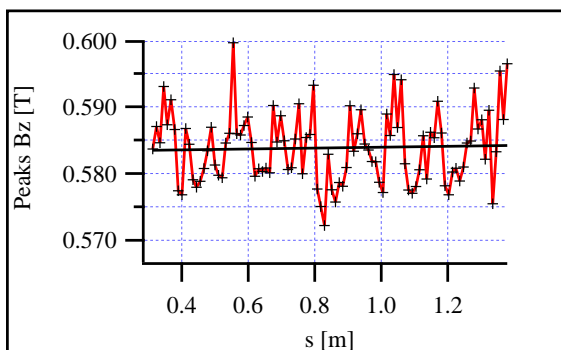
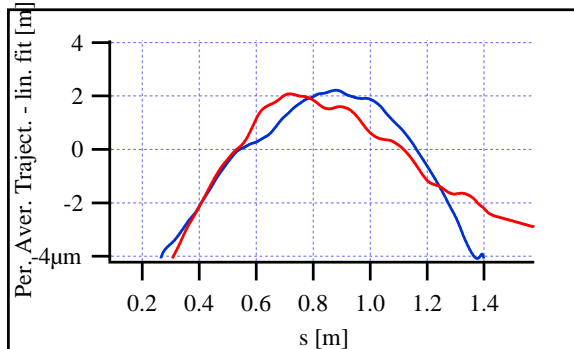
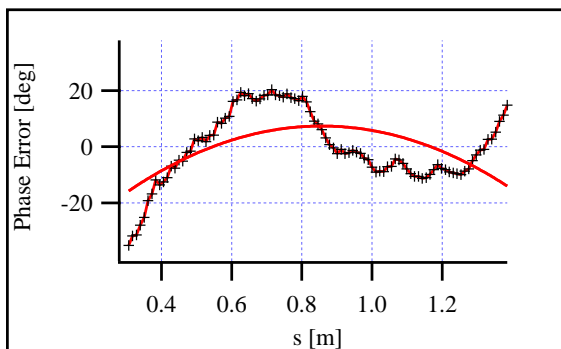
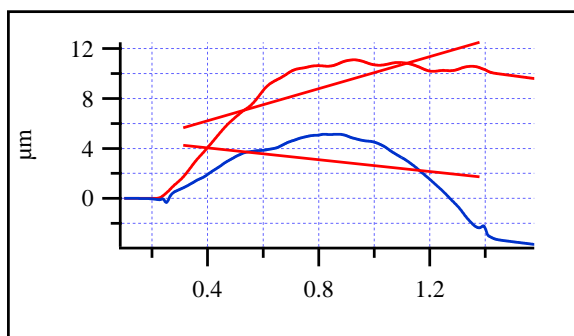
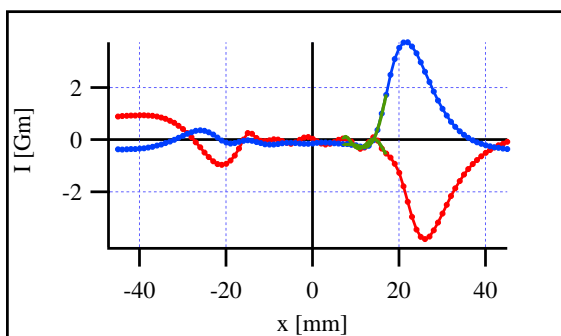
H Ouadrupole : 147.4 G

 $\Pi_z(\text{sBz}): -0.1614 \text{ G m}^2$

H Sextupole : 256.2 G/cm

BzTrj RMS dev. : 1.8 um

BxTrj RMS dev. : 1.6 um



Kyma Srl

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