

Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz247,Bx247,Izmes55,Ixmes55

Gap [mm] : 200

Phase [mm] : 3 Hall Z [mm] : 1 Peak Field Bx: 0.01171 T

Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 7.2 %

Peak Field Bz: 0.65300 T

Undulator Period : 22.00+-0.02 mm

e-beam energy : 3 GeV

Bx Taper : -2.571 G/m

Krms : 0.949

V Dipole : -12.3 G cm

Iz(coil) : -12.4 G cm

V Quadrupole : 47.1 G

$$I_z(\text{BzC}): -12.4 \text{ Gcm} \quad I_z(\text{Bz}): 58.9 \text{ G cm}$$

V Sextupole : -27.0 G/cm

$I_x(\text{coil}) : 13.0 \text{ G cm}$

$$I_x(B_xC) : 13.0 \text{ Gcm} \quad I_x(B_x) : 596.0 \text{ G cm}$$

H Dipole : 11.8 G cm

$$\Pi_X(sB_X) : 0.0932 \text{ G m}^2$$

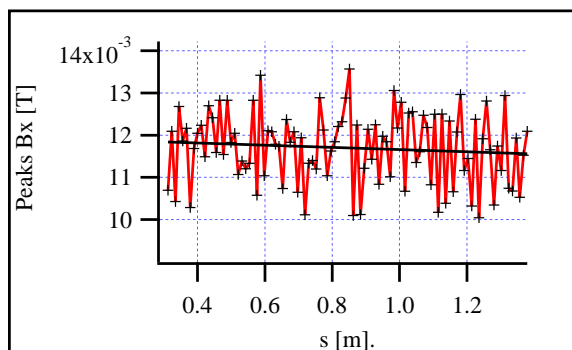
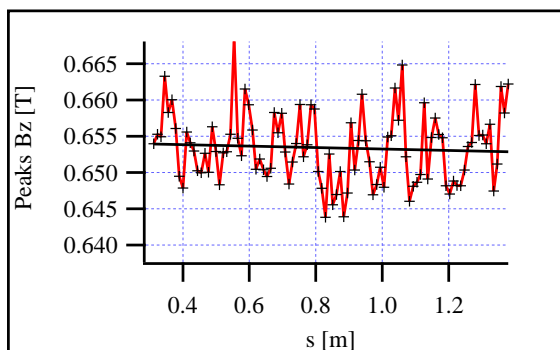
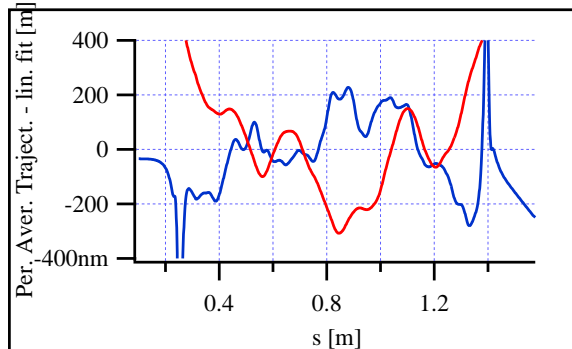
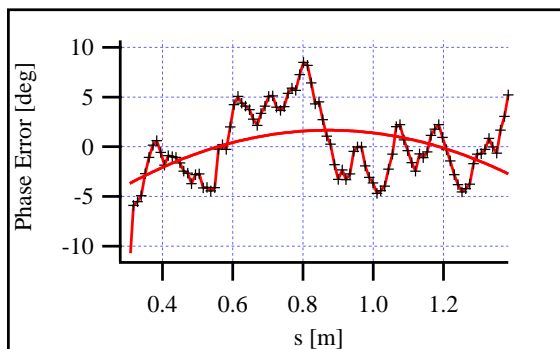
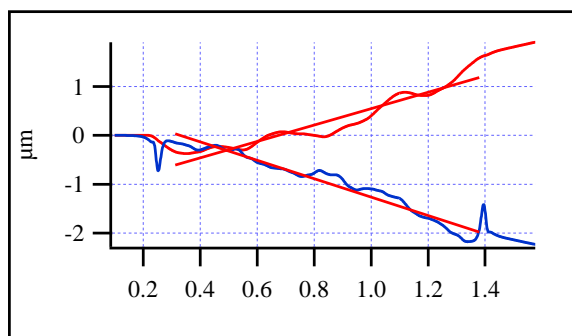
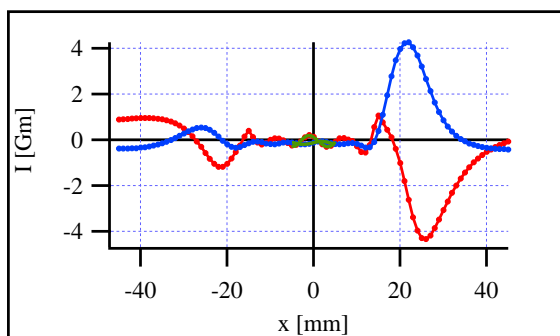
H Ouadrupole : -122.5 G

$\Pi_z(\text{sBz}): -0.1299 \text{ G m}^2$

H Sextupole : -439.3 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.2 um



Kyma Srl

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