

Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz199,Bx199,Izmes15,Ixmes15

Gap [mm] : 200

Phase [mm] : 3 Hall Z [mm] : 1 Peak Field Bx: 0.01074 T

Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 7.9 %

Peak Field Bz: 0.65035 T

Undulator Period : 22.00+-0.02 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.3 %

Bx Taper : 5.023 G/m

Krms : 0.945

V Dipole : -2.7 G cm

Iz(coil) : -2.8 G cm

V Quadrupole : 13.7 G

$$I_z(\text{BzC}): -2.8 \text{ Gcm} \quad I_z(\text{Bz}): 26.8 \text{ G cm}$$

V Sextupole : -41.3 G/cm

Ix(coil) : 5.6 G cm

$$I_x(BxC) : 5.6 \text{ Gcm} \quad I_x(Bx) : 689.8 \text{ G cm}$$

H Dipole : 10.7 G cm

$$\Pi_X(sB_X) : 0.0888 \text{ G m}^2$$

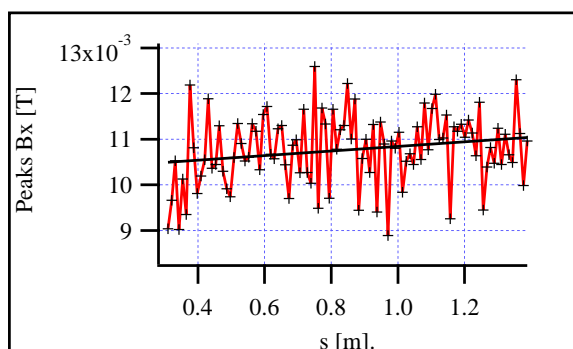
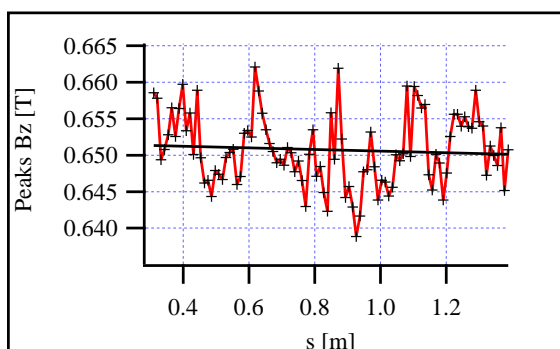
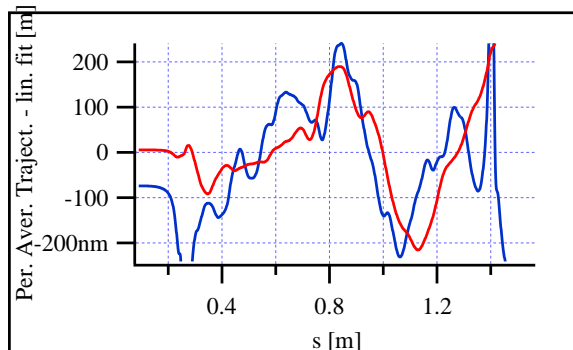
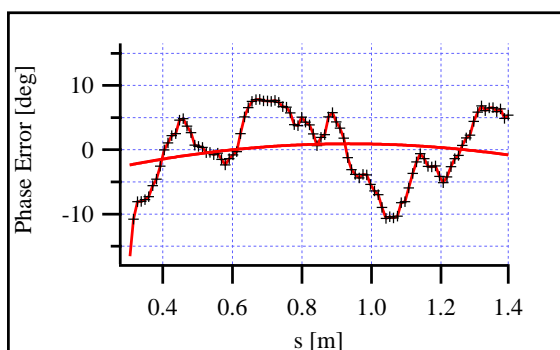
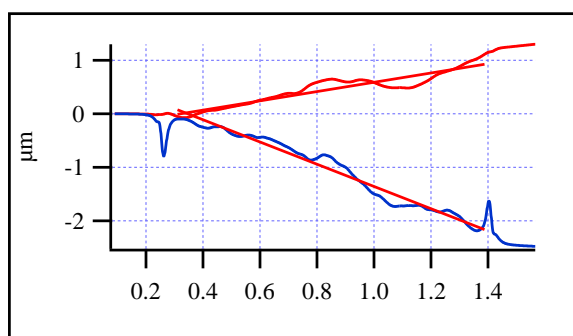
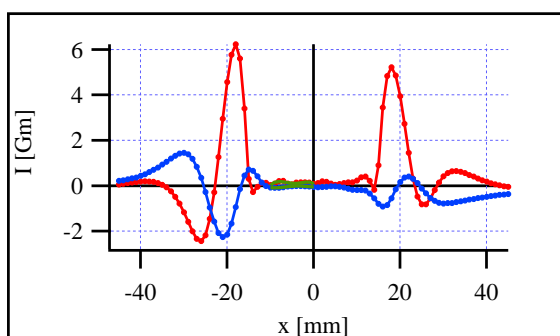
H Quadrupole : -15.8 G

 $\Pi_z(\text{sBz}): -0.2272 \text{ G m}^2$

H Sextupole : 117.5 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.1 um



Kyma Srl

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