

Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz125,Bx125,Izmes10,Ixmes10

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : 0 Peak Field Bx: 0.00795 T

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 9.7 %

Peak Field Bz: 0.66500 T

Undulator Period : 22.00+-0.02 mm

e-beam energy : 3 GeV

Delta Bz/Bz : 1.3 %

Bx Taper : 2.025 G/m

Krms : 0.966

V Dipole : -2.8 G cm

Iz(coil) : -2.7 G cm

V Octupole : -0.0 G

$$I_z(\text{BzC}): -2.6 \text{ G cm} \quad I_z(\text{Bz}): 18.4 \text{ G cm}$$

V Sextupole : -93.6 G/cm

Ix(coil) : 5.0 G cm

$$I_x(BxC) : 5.0 \text{ Gcm} \quad I_x(Bx) : 500.8 \text{ G cm}$$

H Dipole : 6.5 G cm

$$\Pi_X(sB_X) : 0.0908 \text{ G m}^2$$

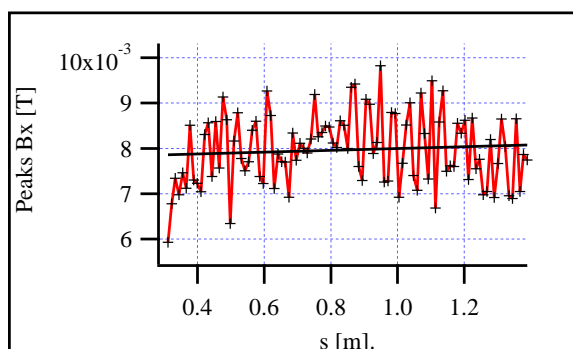
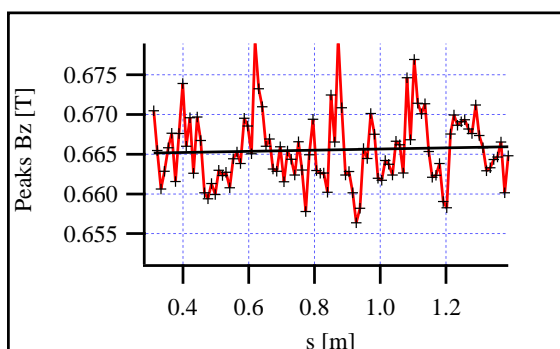
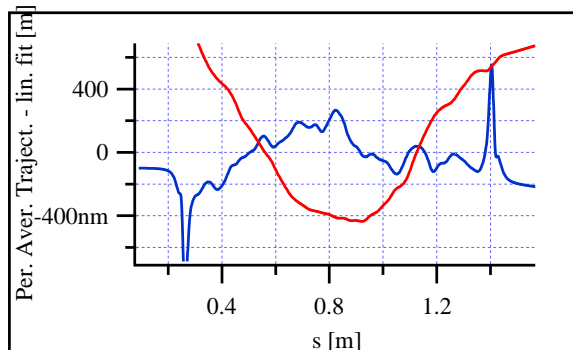
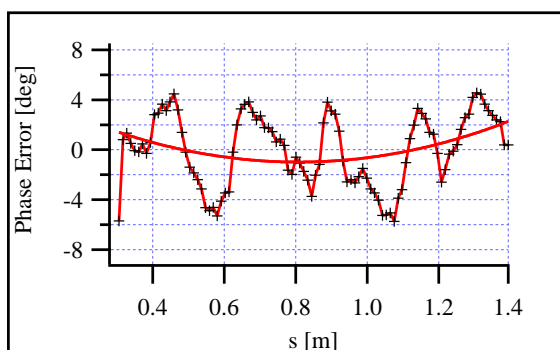
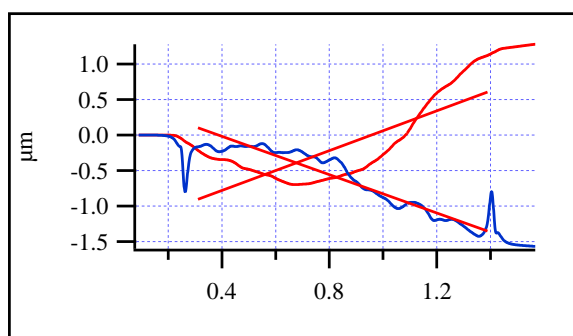
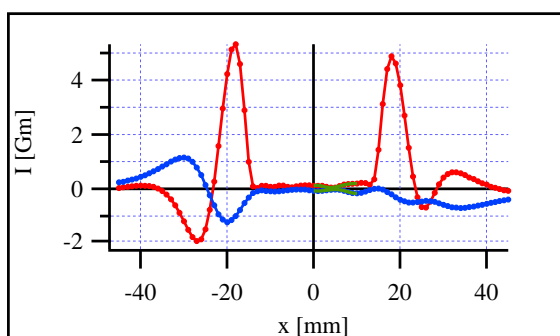
H Quadrupole : 27.4 G

$$\mu_z(sBz): -0.1374 \text{ G m}^2$$

H Sextupole : 103.2 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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