

Kyma Analysis Report

Name : 1991b

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz111,Bx111,Izmes29,Ixmes29

Gap [mm] : 200

Phase [mm] : 7 Hall Z [mm] : -1 Peak Field Bx: 0.01402 T

Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 6.1 %

Peak Field Bz: 0.41548 T

Undulator Period : 22.01+-0.07 mm

Delta Bz/Bz : 6.9 %

e-beam energy : 3 GeV

Bx Taper : 2.515 G/m

Krms : 0.604

V Dipole : 2.4 G cm

Iz(coil) : 2.6 G cm

V Quadrupole : 16.1 G

$$I_z(\text{BzC}): 2.6 \text{ G cm} \quad I_z(\text{Bz}): 14.1 \text{ G cm}$$

V Sextupole : -118.4 G/cm

$I_x(\text{coil}) : 4.0 \text{ G cm}$

$$I_x(BxC) : 4.0 \text{ Gcm} \quad I_x(Bx) : 786.2 \text{ G cm}$$

H Dipole : 5.6 G cm

$$\Pi_X(sB_X) : 0.1059 \text{ G m}^2$$

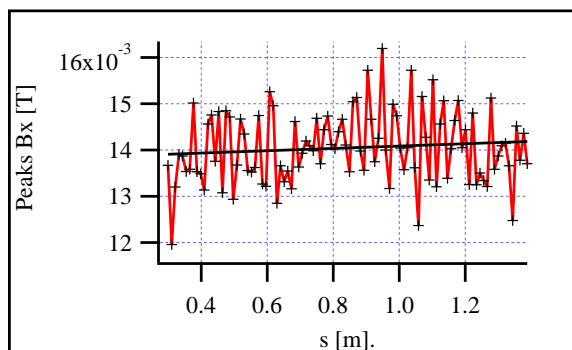
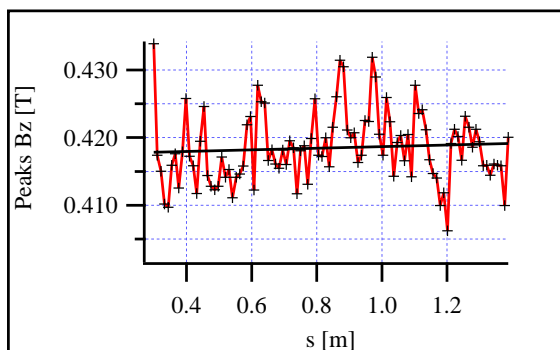
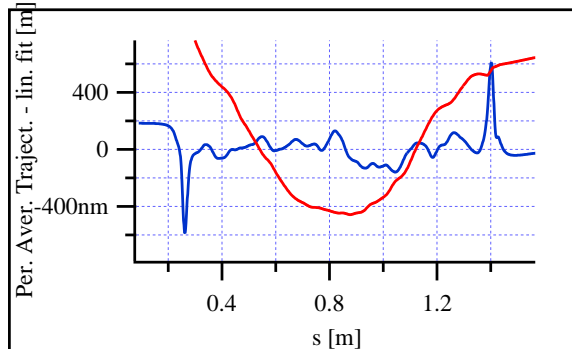
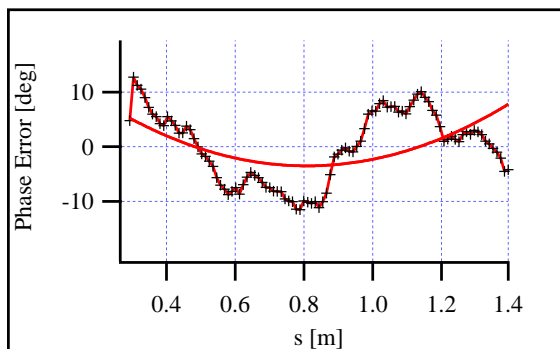
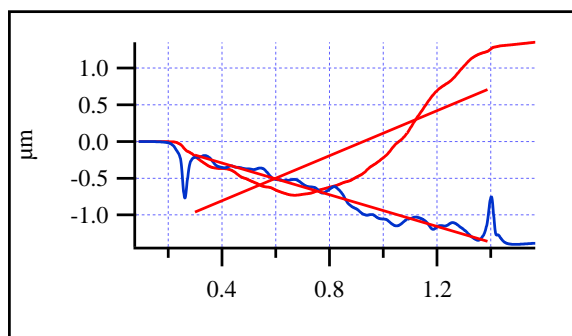
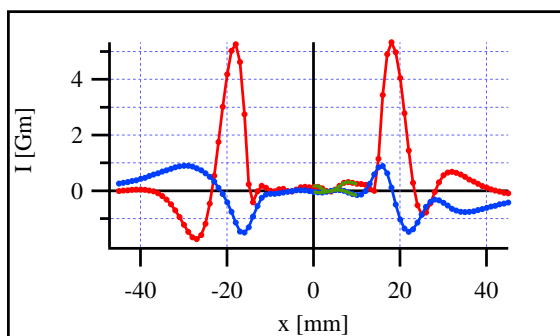
H Quadrupole : 105.4 G

$$\Pi_z(\text{sBz}): -0.1578 \text{ G m}^2$$

H Sextupole : 205.8 G/cm

BzTrj RMS dev. : 0.1 um

BxTrj RMS dev. : 0.4 um



Kyma Srl

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