

Kyma Analysis Report

Date : 24. feb 2020

Temperature : 23.0

Filename : 1991b-TPF-UFCM 20200224

Waves analysed : Bz269,Bx269,Izmes11,Ixmes11

Gap [mm] : 200

Phase [mm] : 2 Hall Z [mm] : 1 Peak Field Bx: 0.00979 T

RMS Phase Error : 5.37 deg

Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 20.2 %

Peak Field Bz: 0.60693 T

Fund. En. (B2E) : 2168.8 eV = 0.6 nm

Delta Bz/Bz : 1.4 %

Peaks used : 103

Undulator Period : 22.00+-0.02 mm Delta Bz/Bz : 1.4 %
e-beam energy : 3 GeV Bx Taper : -10.779 G/m

Krms : 0.882

Bz Taper : -17.183 G/m

V Dipole : -25.0 G cm

Iz(coil) : -23.3 G cm

Pred. C.C. currents

V Quadrupole : -80.3 G

$$I_z(\text{BzC}): -23.3 \text{ Gcm} \quad I_z(\text{Bz}): 16.6 \text{ G cm}$$

I1 : -2.0156 A

V Sextupole : -377.7 G/cm

$I_x(\text{coil}) : 34.0 \text{ G cm}$

I2 : -1.5300 A

$$I_x(B_xC) : 34.0 \text{ Gcm} \quad I_x(B_x) : 476.3 \text{ G cm}$$

H Dipole : 5.3 G cm

$$\Pi_X(sB_X) : 0.2674 \text{ G m}^2$$

I3 : 1.8998 A

H Quadrupole : -317.1 G

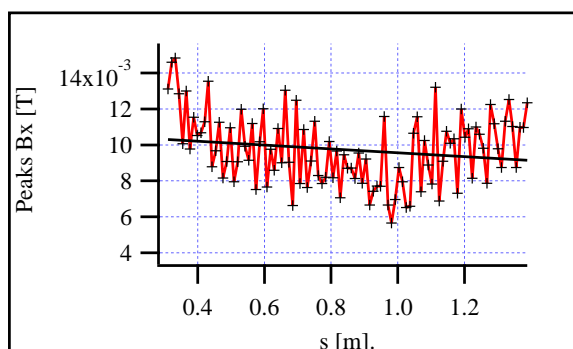
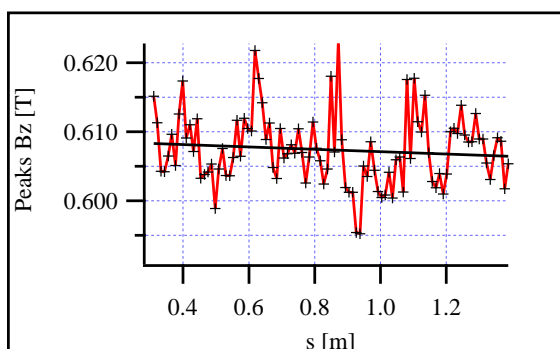
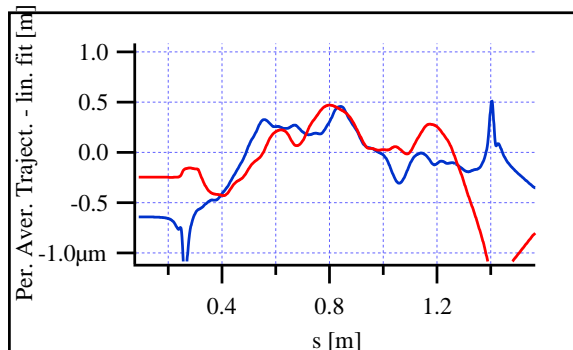
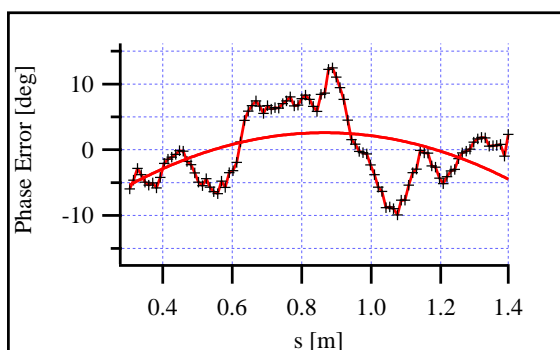
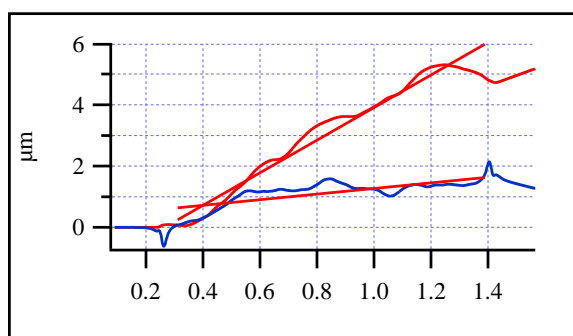
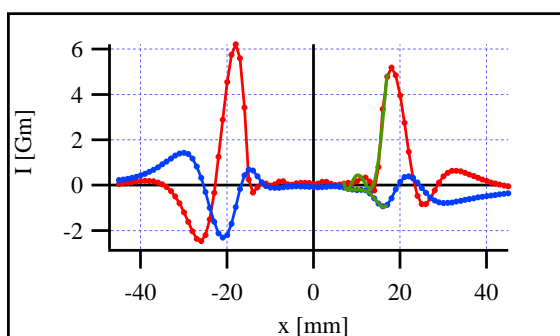
 $\Pi_z(sBz): 0.2986 \text{ G m}^2$

I4 : -2.3583 A

H Sextupole : 481.8 G/cm

BzTrj RMS dev. : 0.3 um

BxTrj RMS dev. : 0.3 um



Kyma Srl

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