

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM 20200508

Waves analysed : Bz307,Bx307,Izmes67,Ixmes67

Gap [mm] : 200

Phase [mm] : 9    Hall Z [mm] : 1    Peak Field Bx: 0.02331 T

Taper [mm] : 0    Hall X [mm]: 12    Delta Bx/Bx : 13.6 %

Peak Field Bz: 0.19404 T

Undulator Period : 22.00+-0.08 mm

e-beam energy : 3 GeV

Bx Taper : 4.017 G/m

Krms : 0.284

V Dipole : -29.8 G cm

Iz(coil) : -29.7 G cm

V Quadrupole : -49.5 G

$$I_z(\text{BzC}): -29.7 \text{ Gcm} \quad I_z(\text{Bz}): -12.3 \text{ G cm}$$

V Sextupole : 517.7 G/cm

$I_x(\text{coil}) : -56.7 \text{ G cm}$

$$I_x(B_xC) : -56.7 \text{ Gcm} \quad I_x(B_x) : 330.9 \text{ G cm}$$

H Dipole : -45.5 G cm

$$\Pi_X(sB_X) : 1.1699 \text{ G m}^2$$

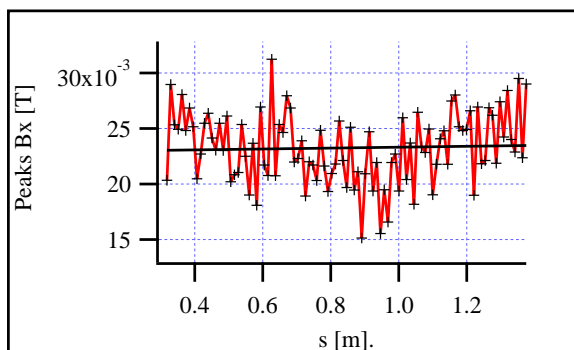
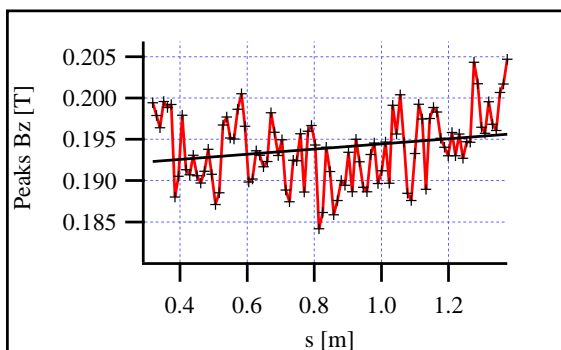
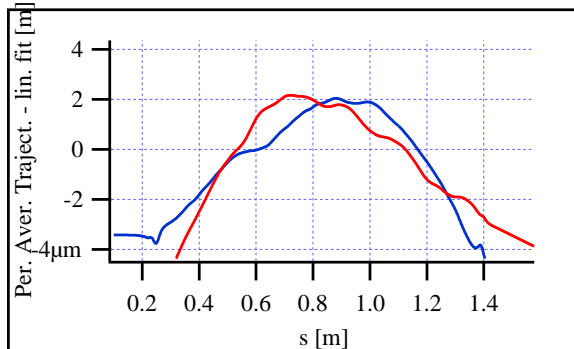
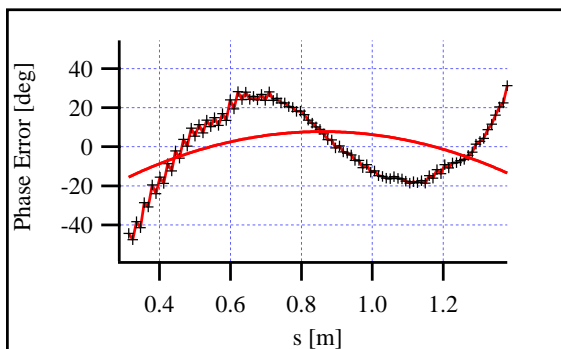
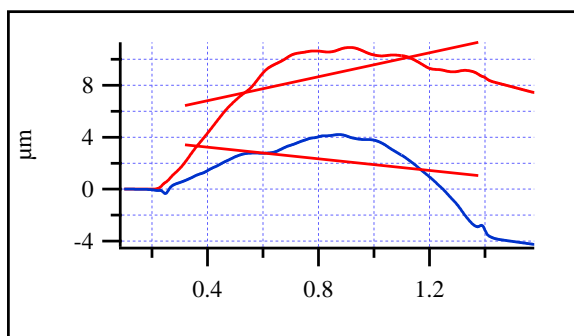
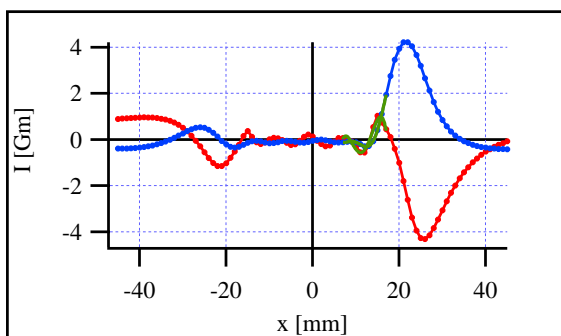
H Quadrupole : 243.6 G

IIz(sBz): -0.2028 G m<sup>2</sup>

H Sextupole : 1270.4 G/cm

BzTrj RMS dev. : 1.6 um

BxTrj RMS dev. : 1.7 um



Kyma Srl

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