

# Kyma Analysis Report

Name : 1991d

Date : 8. maj 2020

Temperature : 23.0

Filename : 1991d-TPF-UFCM\_20200508

Waves analysed : Bz163,Bx163,Izmes43,Ixmes43

Gap [mm] : 200

Phase [mm] : 9    Hall Z [mm] : 0    Peak Field Bx: 0.02018 T

Taper [mm] : 0    Hall X [mm]: 5    Delta Bx/Bx : 5.8 %

Peak Field Bz: 0.26815 T

Undulator Period : 22.00+-0.06 mm

e-beam energy : 3 GeV

Bx Taper : -6.414 G/m

Krms : 0.391

V Dipole : -8.1 G cm

Iz(coil) : -8.5 G cm

V Quadrupole : -17.6 G

$$I_z(\text{BzC}): -8.5 \text{ Gcm} \quad I_z(\text{Bz}) : 29.3 \text{ G cm}$$

V Sextupole : 0.0 G/cm

$I_x(\text{coil}) : -12.0 \text{ G cm}$

$$I_x(BxC) : -12.0 \text{ Gcm} \quad I_x(Bx) : 515.1 \text{ G cm}$$

H Dipole : -11.8 G cm

$$\Pi_X(sB_X) : 0.4298 \text{ G m}^2$$

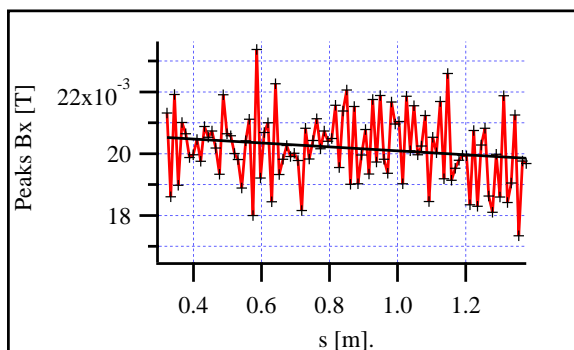
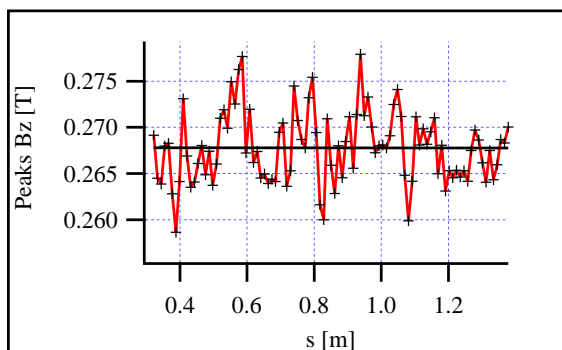
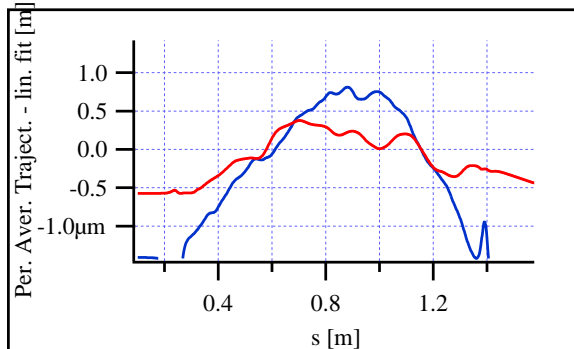
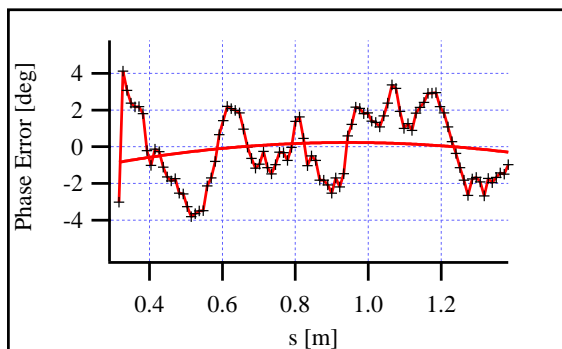
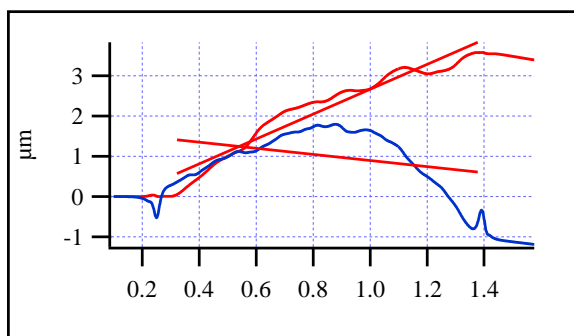
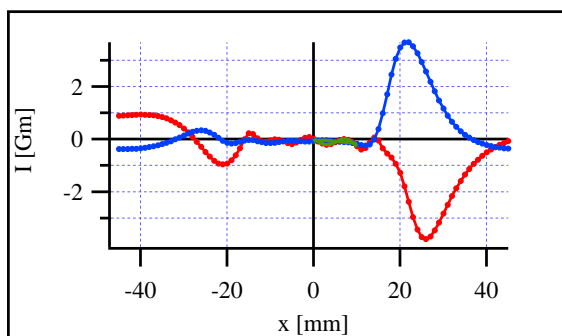
H Quadrupole : 77.2 G

IIz(sBz): -0.0549 G m<sup>2</sup>

H Sextupole : 37.4 G/cm

BzTrj RMS dev. : 0.6  $\mu\text{m}$

BxTrj RMS dev. : 0.3 um



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