Kyma Analysis Report

Date: 8. maj 2020 Name: 1991d Temperature: 23.0

Filename: 1991d-TPF-UFCM 20200508

Waves analysed : Bz375,Bx375,Izmes15,Ixmes15 Gap [mm] : 200

2

-2

20

10 0 -10

-20

0.460

0.450

0.440

-40

0.4

0.4

0.6

0.8

s [m]

0.6

0.8

s [m]

1.0

1.2

1.2

1.0

-20

0

x [mm]

20

40

[Gm]

Phase Error [deg]

Peaks Bz [T]

e-beam energy: 3 GeV

Phase [mm] : 7 Hall Z [mm]: -1 Peak Field Bx: 0.08466 T

Taper [mm]: 0 Hall X [mm]: -12 Delta Bx/Bx : 2.8 %

Peak Field Bz: 0.45147 T

Undulator Period: 22.00+-0.05 mm Delta Bz/Bz: 1.4 %

Bx Taper: -10.871 G/m

Krms: 0.667 V Dipole: -18.0 G cm Iz(coil): -18.8 G cm V Quadrupole: -53.5 G

Iz(BzC): -18.8 Gcm Iz(Bz): 5.1 G cm V Sextupole: 196.8 G/cm Ix(coil): -12.1 G cm

Ix(BxC): -12.1 Gcm Ix(Bx): 593.8 G cm

H Dipole: -6.1 G cm $IIx(sBx) : 0.3962 \text{ G m}^2$ H Quadrupole: -155.6 G IIz(sBz): -0.1762 G m^2

H Sextupole: 316.7 G/cm BzTrj RMS dev.: 0.6 um BxTrj RMS dev.: 1.4 um RMS Phase Error: 7.23 deg

Fund. En. (B2E) : 2657.5 eV = 0.5 nmRadiation wavelength (lin. fit): 0.5 nm

Pred. C.C. currents

I1: 0.6730 A

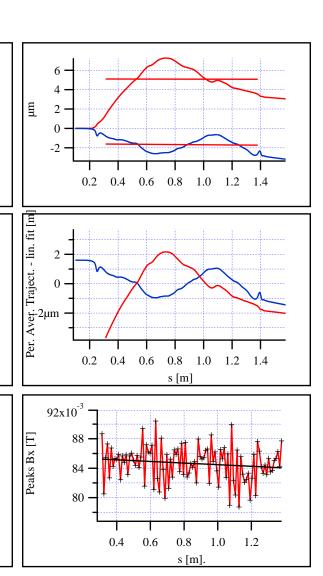
I2: -2.2482 A

I3: 1.5600 A

I4: 1.4379 A

Peaks used: 102

Bz Taper: -8.063 G/m



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