Kyma Analysis Report

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

Filename: 1991d-TPF-UFCM 20200508 Waves analysed : Bz73,Bx73,Izmes1,Ixmes1 Gap [mm] : 200

Phase [mm]: 0 Hall Z [mm]: -1 Peak Field Bx: 0.00285 T

Taper [mm]: 0 Hall X [mm]: -5 Delta Bx/Bx: 37.9 %

Peak Field Bz: 0.78317 T

Undulator Period: 22.00+-0.03 mm Delta Bz/Bz: 0.8 %

e-beam energy: 3 GeV Bx Taper: 2.923 G/m

Krms: 1.138

V Dipole: -12.9 G cm Iz(coil): -12.7 G cm Iz(BzC): -12.7 Gcm Iz(Bz): 67.2 G cm V Quadrupole: 17.4 G V Sextupole: -64.8 G/cm

Ix(coil): -18.2 G cm

Ix(BxC): -18.2 Gcm Ix(Bx): -163.4 G cm H Dipole: -13.0 G cm $IIx(sBx) : -0.0742 \text{ G m}^2$

H Quadrupole: 41.7 G IIz(sBz): -0.0700 G m^2 H Sextupole: 267.4 G/cm BzTrj RMS dev.: 0.5 um

BxTrj RMS dev.: 0.2 um

RMS Phase Error: 5.04 deg

Fund. En. (B2E) : 1678.7 eV = 0.7 nm

Radiation wavelength (lin. fit): 0.7 nm

Peaks used: 101 Bz Taper: -10.160 G/m

> I3: 0.5590 A I4: 0.0857 A

I1: 1.5428 A

I2:-0.0422 A

Pred. C.C. currents

