Kyma Analysis Report

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

Filename: 1991d-TPF-UFCM 20200508 Waves analysed : Bz85,Bx85,Izmes13,Ixmes13 Gap [mm] : 200

Phase [mm]: 6 Hall Z [mm]: -1 Peak Field Bx: 0.00514 T RMS Phase Error: 5.70 deg

Taper [mm]: 0 Hall X [mm]: -5 Delta Bx/Bx: 20.9 %

> Peak Field Bz: 0.60995 T Radiation wavelength (lin. fit): 0.6 nm

Fund. En. (B2E) : 2172.5 eV = 0.6 nm

Peaks used: 102

Bz Taper: -11.193 G/m

Undulator Period: 22.00+-0.04 mm Delta Bz/Bz: 1.1 %

e-beam energy: 3 GeV Bx Taper: -0.532 G/m

Krms: 0.886

V Dipole: -8.6 G cm Iz(coil): -8.8 G cm Pred. C.C. currents Iz(BzC): -8.8 Gcm Iz(Bz): 69.5 G cm V Quadrupole: 17.4 G I1: 1.8897 A V Sextupole: -59.5 G/cm Ix(coil): -24.7 G cm I2: -0.1402 A

Ix(BxC): -24.8 Gcm Ix(Bx): 840.6 G cm

H Dipole: -19.6 G cm $IIx(sBx) : -0.0505 \text{ G m}^2$ I3: 0.2800 A H Quadrupole: 46.6 G IIz(sBz): -0.1659 G m^2 I4: 0.8865 A

H Sextupole: 264.2 G/cm BzTrj RMS dev.: 0.5 um BxTrj RMS dev.: 0.2 um

