Kyma Analysis Report

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

Filename: 1991d-TPF-UFCM 20200508

Waves analysed : Bz251,Bx251,Izmes59,Ixmes59 Gap [mm] : 200

Phase [mm]: 5 Hall Z [mm]: 1 Peak Field Bx: 0.01376 T RMS Phase Error: 4.00 deg

Taper [mm]: 0 Hall X [mm]: 0 Delta Bx/Bx: 6.1 % Fund. En. (B2E) : 2360.1 eV = 0.5 nmPeak Field Bz: 0.55519 T Radiation wavelength (lin. fit): 0.5 nm

Undulator Period: 22.00+-0.02 mm Delta Bz/Bz: 1.3 % Peaks used: 102 e-beam energy: 3 GeV Bx Taper: -3.428 G/m Bz Taper: -8.257 G/m

Krms: 0.807

V Dipole: -9.4 G cm Iz(coil): -9.5 G cm Pred. C.C. currents V Quadrupole: 49.7 G Iz(BzC): -9.5 Gcm Iz(Bz): 63.0 G cm I1: 0.0884 A V Sextupole: -32.4 G/cm Ix(coil): 12.4 G cm I2: -1.3599 A

Ix(BxC): 12.5 Gcm Ix(Bx): 868.5 G cm

H Dipole: 11.0 G cm $IIx(sBx) : 0.0933 \text{ G m}^2$ I3: -0.0496 A H Quadrupole: -119.0 G IIz(sBz): -0.0851 G m^2 I4: -0.1454 A

H Sextupole: -440.9 G/cm BzTrj RMS dev.: 0.1 um BxTrj RMS dev.: 0.2 um

