Kyma Analysis Report

Date: 24. feb 2020 Name: 1991b Temperature: 23.0

Filename: 1991b-TPF-UFCM 20200224

Waves analysed : Bz249,Bx249,Izmes19,Ixmes19 Gap [mm] : 200

Phase [mm]: 4 Hall Z [mm]: 1 Peak Field Bx: 0.00476 T RMS Phase Error: 5.05 deg

Taper [mm]: 0 Hall X [mm]: 5 Delta Bx/Bx: 17.9 % Fund. En. (B2E) : 2190.9 eV = 0.6 nmPeak Field Bz: 0.60262 T Radiation wavelength (lin. fit): 0.6 nm

Peaks used: 103

Undulator Period: 22.00+-0.03 mm Delta Bz/Bz: 1.3 % e-beam energy: 3 GeV Bx Taper: 4.289 G/m Bz Taper: -22.856 G/m

Krms: 0.876

V Dipole: -1.9 G cm Iz(coil): -1.7 G cm Pred. C.C. currents Iz(BzC): -1.6 Gcm Iz(Bz): 39.0 G cm V Quadrupole: -11.6 G I1: 0.6910 A V Sextupole: -100.6 G/cm Ix(coil): 5.5 G cm I2: -1.4984 A

Ix(BxC) : 5.5 Gcm Ix(Bx) : 821.2 G cm

H Dipole: 9.5 G cm $IIx(sBx) : 0.0834 \text{ G m}^2$ I3: -0.8823 A H Quadrupole: -13.1 G IIz(sBz): -0.2587 G m^2 I4: 1.0377 A

H Sextupole: 101.6 G/cm BzTrj RMS dev.: 0.1 um BxTrj RMS dev.: 0.4 um

