Kyma Analysis Report

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

Filename: 1991d-TPF-UFCM 20200508

Waves analysed : Bz221,Bx221,Izmes53,Ixmes53 Gap [mm] : 200

Phase [mm]: 2 Hall Z [mm]: 1 Peak Field Bx: 0.01034 T RMS Phase Error: 3.08 deg

Taper [mm]: 0 Hall X [mm]: -5 Delta Bx/Bx: 9.2 % Fund. En. (B2E): 1972.4 eV = 0.6 nmPeak Field Bz: 0.67719 T Radiation wavelength (lin. fit): 0.6 nm

Peaks used: 102 Bz Taper: 4.863 G/m

Undulator Period: 22.00+-0.02 mm Delta Bz/Bz: 1.2 %

e-beam energy: 3 GeV Bx Taper: 1.259 G/m

Krms: 0.984

V Dipole: -16.1 G cm Iz(coil): -15.6 G cm Pred. C.C. currents Iz(BzC): -15.6 Gcm Iz(Bz): 67.8 G cm V Quadrupole: -25.7 G I1: 1.2827 A V Sextupole: -78.8 G/cm Ix(coil): -23.6 G cm I2: -0.3271 A

Ix(BxC): -23.6 Gcm Ix(Bx): 337.1 G cm

H Dipole: -21.1 G cm $IIx(sBx) : 0.0750 \text{ G m}^2$ I3: 1.3699 A H Quadrupole: -33.7 G IIz(sBz): -0.0435 G m^2 I4: 0.4514 A

H Sextupole: 445.0 G/cm BzTrj RMS dev.: 0.3 um BxTrj RMS dev.: 0.3 um

