Kyma Analysis Report

RMS Phase Error: 4.47 deg

Peaks used: 103

Bz Taper: -2.802 G/m

Fund. En. (B2E) : 2024.1 eV = 0.6 nm

Radiation wavelength (lin. fit): 0.6 nm

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

Filename: 1991b-TPF-UFCM 20200224 Waves analysed : Bz55,Bx55,Izmes13,Ixmes13 Gap [mm] : 200

Phase [mm]: 3 Hall Z [mm]: -1 Peak Field Bx: 0.00524 T

Taper [mm]: 0 Hall X [mm]: -5 Delta Bx/Bx: 15.7 %

Peak Field Bz: 0.66094 T

Undulator Period: 22.00+-0.03 mm Delta Bz/Bz: 1.4 %

e-beam energy: 3 GeV Bx Taper: 4.492 G/m

Krms: 0.960

V Dipole: -4.1 G cm Iz(coil): -4.3 G cm Pred. C.C. currents Iz(BzC): -4.3 Gcm Iz(Bz): 39.9 G cm V Quadrupole: 24.1 G I1: 0.7510 A V Sextupole: -40.4 G/cm Ix(coil): -0.7 G cm I2: -1.2079 A

Ix(BxC): -0.7 Gcm Ix(Bx): 685.2 G cm

H Dipole: 4.4 G cm $IIx(sBx) : 0.0858 \text{ G m}^2$ I3: -0.3605 A H Quadrupole: 13.9 G IIz(sBz): -0.2023 G m^2 I4: 0.8943 A

H Sextupole: 106.8 G/cm BzTrj RMS dev.: 0.1 um BxTrj RMS dev.: 0.1 um

