Kyma Analysis Report

Fund. En. (B2E) : 2950.8 eV = 0.4 nm

Peaks used: 102

Bz Taper: 9.600 G/m

Radiation wavelength (lin. fit): 0.4 nm

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

Filename: 1991b-TPF-UFCM 20200224

Waves analysed : Bz301,Bx301,Izmes26,Ixmes26 Gap [mm] : 200

Phase [mm]: 6 Hall Z [mm]: 0 Peak Field Bx: 0.02763 T RMS Phase Error: 2.24 deg

Taper [mm]: 0 Hall X [mm]: 12 Delta Bx/Bx: 7.8 %

Peak Field Bz: 0.37686 T

Undulator Period: 22.00+-0.04 mm Delta Bz/Bz: 1.2 %

e-beam energy: 3 GeV Bx Taper : 6.143 G/m

Krms: 0.549

V Dipole: -8.9 G cm Iz(coil): -8.9 G cm Pred. C.C. currents V Quadrupole: 52.3 G Iz(BzC): -8.9 Gcm Iz(Bz): -4.3 G cm I1: -1.4814 A V Sextupole: 48.6 G/cm Ix(coil): 31.4 G cm I2: -1.8905 A

Ix(BxC): 31.4 Gcm Ix(Bx): 690.1 G cm

H Dipole: 16.4 G cm $IIx(sBx) : 0.2637 \text{ G m}^2$ I3: 0.3569 A H Quadrupole: -108.5 G IIz(sBz): 0.0398 G m^2 I4: -0.6851 A

H Sextupole: 865.6 G/cm BzTrj RMS dev.: 0.3 um BxTrj RMS dev.: 0.3 um

