Kyma Analysis Report

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

Filename: 1991b-TPF-UFCM 20200224

Waves analysed : Bz223,Bx223,Izmes15,Ixmes15 Gap [mm] : 200

Phase [mm]: 3 Hall Z [mm]: 1 Peak Field Bx: 0.00770 T RMS Phase Error: 5.61 deg

Taper [mm]: 0 Hall X [mm]: 0 Delta Bx/Bx: 10.3 % Fund. En. (B2E) : 2033.8 eV = 0.6 nmPeak Field Bz: 0.65620 T Radiation wavelength (lin. fit): 0.6 nm

Peaks used: 103

Undulator Period: 22.00+-0.02 mm Delta Bz/Bz: 1.3 % e-beam energy: 3 GeV Bx Taper: 4.718 G/m Bz Taper: -6.633 G/m

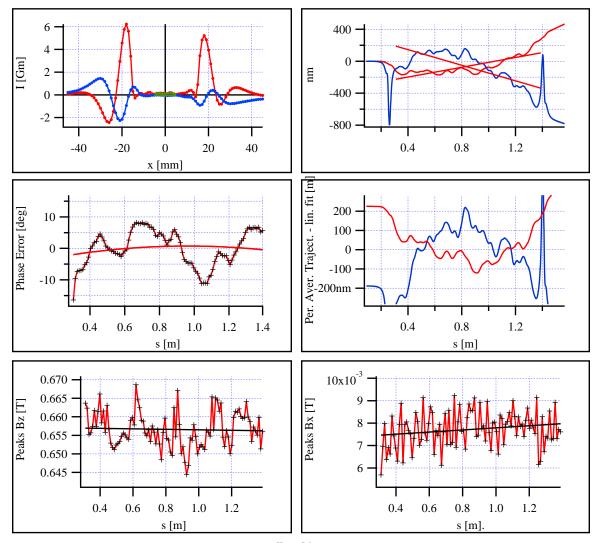
Krms: 0.954

V Dipole: -5.6 G cm Iz(coil): -5.6 G cm Pred. C.C. currents V Quadrupole: -12.4 G Iz(BzC): -5.6 Gcm Iz(Bz) : 26.2 G cm I1: 0.1739 A V Sextupole: 36.1 G/cm Ix(coil): 8.0 G cm I2: -0.5728 A

Ix(BxC) : 8.0 Gcm Ix(Bx) : 709.2 G cm

H Dipole: 11.7 G cm $IIx(sBx) : -0.0123 \text{ G m}^2$ I3: -0.1901 A H Quadrupole: 11.7 G IIz(sBz): -0.0369 G m^2 I4: -0.3506 A

H Sextupole: 88.5 G/cm BzTrj RMS dev.: 0.1 um BxTrj RMS dev.: 0.1 um



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