## Kyma Analysis Report

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

Filename: 1991b-TPF-UFCM 20200224

Waves analysed : Bz199,Bx199,Izmes15,Ixmes15 Gap [mm] : 200

Phase [mm]: 3 Hall Z [mm]: 1 Peak Field Bx: 0.01074 T RMS Phase Error: 5.49 deg

Taper [mm]: 0 Hall X [mm]: -5 Delta Bx/Bx: 7.9 % Fund. En. (B2E) : 2048.1 eV = 0.6 nmPeak Field Bz: 0.65035 T Radiation wavelength (lin. fit): 0.6 nm

Undulator Period: 22.00+-0.02 mm Delta Bz/Bz: 1.3 % Peaks used: 103 e-beam energy: 3 GeV Bz Taper: -11.212 G/m

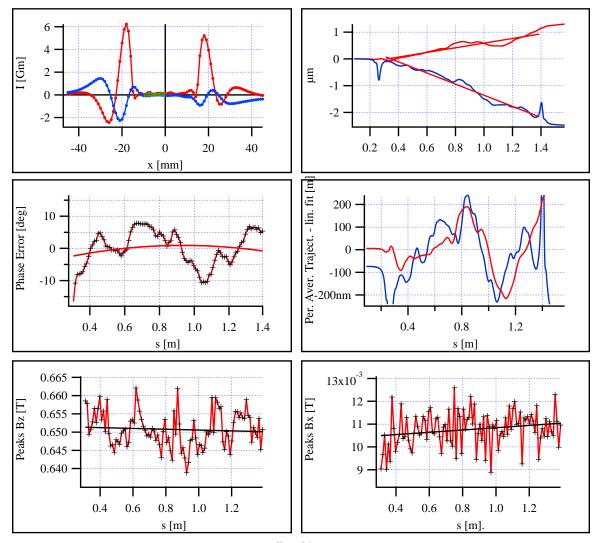
Bx Taper : 5.023 G/m Krms: 0.945

V Dipole: -2.7 G cm Iz(coil): -2.8 G cm Pred. C.C. currents V Quadrupole: 13.7 G Iz(BzC): -2.8 Gcm Iz(Bz) : 26.8 G cm I1: 0.5938 A V Sextupole: -41.3 G/cm Ix(coil): 5.6 G cm I2: -1.4374 A

Ix(BxC) : 5.6 Gcm Ix(Bx) : 689.8 G cm

H Dipole: 10.7 G cm  $IIx(sBx) : 0.0888 \text{ G m}^2$ I3: -0.6982 A H Quadrupole: -15.8 G IIz(sBz): -0.2272 G m^2 I4: 0.8796 A

H Sextupole: 117.5 G/cm BzTrj RMS dev.: 0.1 um BxTrj RMS dev.: 0.1 um



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