## Kyma Analysis Report

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

Filename: 1991b-TPF-UFCM 20200224 Waves analysed : Bz93,Bx93,Izmes41,Ixmes41 Gap [mm] : 200

Phase [mm]: 10 Hall Z [mm]: -1 Peak Field Bx: 0.00281 T RMS Phase Error: 6.53 deg

Taper [mm]: 0 Hall X [mm]: 0 Delta Bx/Bx: 22.4 %

Fund. En. (B2E) : 3527.8 eV = 0.4 nmPeak Field Bz: 0.21494 T Radiation wavelength (lin. fit): 0.4 nm

Undulator Period: 22.01+-0.10 mm Delta Bz/Bz: 10.9 % Peaks used: 104

e-beam energy: 3 GeV Bx Taper: 2.354 G/m

Bz Taper: -1.557 G/m

Krms: 0.312

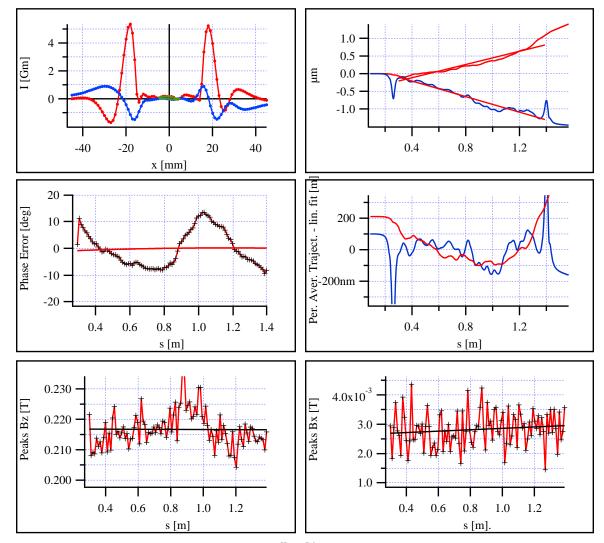
V Dipole: -3.0 G cm Iz(coil): -3.2 G cm Pred. C.C. currents V Quadrupole: -27.5 G Iz(BzC): -3.2 Gcm Iz(Bz): 2.8 G cm I1: 0.0832 A V Sextupole: 46.9 G/cm Ix(coil): 16.0 G cm I2: -1.1495 A

Ix(BxC): 16.0 Gcm Ix(Bx): 181.8 G cm

H Dipole: 17.3 G cm  $IIx(sBx) : 0.0219 \text{ G m}^2$ I3: -0.7629 A H Quadrupole: -13.8 G IIz(sBz): -0.1224 G m^2 I4: -0.0510 A

H Sextupole: -113.6 G/cm BzTrj RMS dev.: 0.1 um

BxTrj RMS dev.: 0.1 um



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