

Kyma Analysis Report

Name : 1991b Date : 24. feb 2020 Temperature : 23.0
 Filename : 1991b-TPF-UFCM_20200224
 Waves analysed : Bz263,Bx263,Izmes47,Ixmes47
 Gap [mm] : 200
 Phase [mm] : 11 Hall Z [mm] : 1 Peak Field Bx: 0.01359 T RMS Phase Error : 5.63 deg
 Taper [mm] : 0 Hall X [mm]: 5 Delta Bx/Bx : 7.7 % Fund. En. (B2E) : 3623.4 eV = 0.3 nm
 Undulator Period : 22.00+-0.09 mm Delta Bz/Bz : 9.9 % Radiation wavelength (lin. fit): 0.3 nm
 e-beam energy : 3 GeV Bx Taper : 1.496 G/m Peaks used : 104
 Krms : 0.262 Bz Taper : -28.307 G/m
 V Dipole : 3.4 G cm Iz(coil) : 3.5 G cm Pred. C.C. currents
 V Quadrupole : -13.1 G Iz(BzC): 3.5 Gcm Iz(Bz) : -12.6 G cm I1 : 0.9499 A
 V Sextupole : -93.2 G/cm Ix(coil) : -1.2 G cm I2 : -1.5259 A
 H Dipole : 2.7 G cm Ix(BxC) : -1.2 Gcm Ix(Bx) : -90.6 G cm
 H Quadrupole : -21.4 G IIx(sBx) : 0.1116 G m² I3 : -1.1655 A
 H Sextupole : 103.3 G/cm IIZ(sBz): -0.3474 G m² I4 : 1.8778 A
 BzTrj RMS dev. : 0.1 um
 BxTrj RMS dev. : 0.3 um

