

Kyma Analysis Report

Name : 1991b Date : 24. feb 2020 Temperature : 23.0
 Filename : 1991b-TPF-UFCM_20200224
 Waves analysed : Bz365,Bx365,Izmes10,Ixmes10
 Gap [mm] : 200
 Phase [mm] : 2 Hall Z [mm] : 0 Peak Field Bx: 0.00229 T RMS Phase Error : 3.27 deg
 Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 62.7 % Fund. En. (B2E) : 2231.5 eV = 0.6 nm
 Peak Field Bz: 0.58884 T Radiation wavelength (lin. fit): 0.6 nm
 Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.3 % Peaks used : 103
 e-beam energy : 3 GeV Bx Taper : 11.817 G/m Bz Taper : -10.131 G/m
 Krms : 0.856
 V Dipole : -6.3 G cm Iz(coil) : -6.0 G cm Pred. C.C. currents
 V Quadrupole : 0.1 G Iz(BzC): -6.0 Gcm Iz(Bz) : 16.3 G cm I1 : -0.4599 A
 V Sextupole : -170.5 G/cm Ix(coil) : 11.2 G cm I2 : 0.6063 A
 H Dipole : -4.4 G cm Ix(BxC) : 11.2 Gcm Ix(Bx) : 394.0 G cm
 H Quadrupole : 144.5 G IIx(sBx) : -0.1399 G m² I3 : 0.2857 A
 H Sextupole : 626.5 G/cm IIZ(sBz) : 0.1955 G m² I4 : -1.7542 A
 BzTrj RMS dev. : 0.4 um
 BxTrj RMS dev. : 0.8 um

