

# Kyma Analysis Report

Name : 1991b Date : 24. feb 2020 Temperature : 23.0  
 Filename : 1991b-TPF-UFCM\_20200224  
 Waves analysed : Bz383,Bx383,Izmes46,Ixmes46  
 Gap [mm] : 200  
 Phase [mm] : 11 Hall Z [mm] : 0 Peak Field Bx: 0.04929 T RMS Phase Error : 2.94 deg  
 Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 35.4 % Fund. En. (B2E) : 3771.1 eV = 0.3 nm  
 Peak Field Bz: 0.03879 T Radiation wavelength (lin. fit): 0.3 nm  
 Undulator Period : 21.96+-0.43 mm Delta Bz/Bz : 30.9 % Peaks used : 104  
 e-beam energy : 3 GeV Bx Taper : 66.793 G/m Bz Taper : -30.403 G/m  
 Krms : 0.091  
 V Dipole : -5.4 G cm Iz(coil) : -5.3 G cm Pred. C.C. currents  
 V Quadrupole : 11.4 G Iz(BzC): -5.3 Gcm Iz(Bz) : -11.2 G cm I1 : 0.0502 A  
 V Sextupole : -168.9 G/cm Ix(coil) : 26.1 G cm I2 : -0.4195 A  
 Ix(BxC) : 26.1 Gcm Ix(Bx) : -30.1 G cm  
 H Dipole : 11.3 G cm Iix(sBx) : -0.2020 G m<sup>2</sup> I3 : -1.1560 A  
 H Quadrupole : 127.8 G Iiz(sBz) : -0.0051 G m<sup>2</sup> I4 : -1.5449 A  
 H Sextupole : 577.9 G/cm BzTrj RMS dev. : 0.3 um  
 BxTrj RMS dev. : 0.9 um

