

# Kyma Analysis Report

Name : 1991b Date : 24. feb 2020 Temperature : 23.0  
 Filename : 1991b-TPF-UFCM\_20200224  
 Waves analysed : Bz349,Bx349,Izmes25,Ixmes25  
 Gap [mm] : 200  
 Phase [mm] : 6 Hall Z [mm] : -1 Peak Field Bx: 0.04732 T RMS Phase Error : 5.07 deg  
 Taper [mm] : 0 Hall X [mm]: -12 Delta Bx/Bx : 4.8 % Fund. En. (B2E) : 2718.9 eV = 0.5 nm  
 Peak Field Bz: 0.44098 T Radiation wavelength (lin. fit): 0.5 nm  
 Undulator Period : 22.00+-0.04 mm Delta Bz/Bz : 1.3 % Peaks used : 102  
 e-beam energy : 3 GeV Bx Taper : -16.363 G/m Bz Taper : -0.134 G/m  
 Krms : 0.644  
 V Dipole : -28.4 G cm Iz(coil) : -25.3 G cm Pred. C.C. currents  
 V Quadrupole : 206.7 G Iz(BzC): -25.3 Gcm Iz(Bz) : 27.3 G cm I1 : -0.1738 A  
 V Sextupole : -605.2 G/cm Ix(coil) : 18.1 G cm I2 : -0.2841 A  
 H Dipole : -5.3 G cm Ix(BxC) : 18.1 Gcm Ix(Bx) : 662.9 G cm  
 H Quadrupole : 270.6 G IIx(sBx) : -0.1055 G m^2 I3 : 1.1620 A  
 H Sextupole : 43.4 G/cm IIZ(sBz) : 0.2448 G m^2 I4 : -2.8374 A  
 BzTrj RMS dev. : 0.2 um  
 BxTrj RMS dev. : 0.9 um

