

# Kyma Analysis Report

Name : 1991d Date : 8. maj 2020 Temperature : 23.0  
 Filename : 1991d-TPF-UFCM\_20200508  
 Waves analysed : Bz83,Bx83,Izmes11,Ixmes11  
 Gap [mm] : 200  
 Phase [mm] : 5 Hall Z [mm] : -1 Peak Field Bx: 0.00614 T RMS Phase Error : 5.42 deg  
 Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 17.5 % Fund. En. (B2E) : 2006.4 eV = 0.6 nm  
 Peak Field Bz: 0.66360 T Radiation wavelength (lin. fit): 0.6 nm  
 Undulator Period : 22.00+-0.03 mm Delta Bz/Bz : 1.1 % Peaks used : 102  
 e-beam energy : 3 GeV Bx Taper : -0.211 G/m Bz Taper : -9.755 G/m  
 Krms : 0.964  
 V Dipole : -12.4 G cm Iz(coil) : -12.5 G cm Pred. C.C. currents  
 V Quadrupole : 18.3 G Iz(BzC) : -12.5 Gcm Iz(Bz) : 64.9 G cm I1 : 1.6094 A  
 V Sextupole : -62.6 G/cm Ix(coil) : -19.1 G cm I2 : -0.1438 A  
 H Dipole : -13.9 G cm Ix(BxC) : -19.1 Gcm Ix(Bx) : 811.7 G cm  
 H Quadrupole : 45.4 G Iix(sBx) : -0.0589 G m^2 I3 : 0.5331 A  
 H Sextupole : 263.6 G/cm Iiz(sBz) : -0.0927 G m^2 I4 : 0.2525 A  
 BzTrj RMS dev. : 0.5 um  
 BxTrj RMS dev. : 0.2 um

