

# Kyma Analysis Report

Name : 1991d Date : 8. maj 2020 Temperature : 23.0  
 Filename : 1991d-TPF-UFCM\_20200508  
 Waves analysed : Bz209,Bx209,Izmes41,Ixmes41  
 Gap [mm] : 200  
 Phase [mm] : 8 Hall Z [mm] : 0 Peak Field Bx: 0.00780 T RMS Phase Error : 3.31 deg  
 Taper [mm] : 0 Hall X [mm]: -5 Delta Bx/Bx : 12.3 % Fund. En. (B2E) : 3096.3 eV = 0.4 nm  
 Peak Field Bz: 0.34844 T Radiation wavelength (lin. fit): 0.4 nm  
 Undulator Period : 22.00+-0.04 mm Delta Bz/Bz : 1.4 % Peaks used : 102  
 e-beam energy : 3 GeV Bx Taper : -1.586 G/m Bz Taper : -9.974 G/m  
 Krms : 0.506  
 V Dipole : -6.9 G cm Iz(coil) : -6.8 G cm Pred. C.C. currents  
 V Quadrupole : -1.2 G Iz(BzC): -6.8 Gcm Iz(Bz) : 49.6 G cm I1 : 1.4494 A  
 V Sextupole : -62.7 G/cm Ix(coil) : -17.9 G cm I2 : -0.7275 A  
 H Dipole : -15.6 G cm Ix(BxC) : -17.9 Gcm Ix(Bx) : 682.6 G cm  
 H Quadrupole : 11.9 G Iix(sBx) : 0.0579 G m<sup>2</sup> I3 : 0.1621 A  
 H Sextupole : 262.1 G/cm Iiz(sBz): -0.2041 G m<sup>2</sup> I4 : 1.2282 A  
 BzTrj RMS dev. : 0.5 um  
 BxTrj RMS dev. : 0.2 um

