

# Kyma Analysis Report

Name : 1991d Date : 8. maj 2020 Temperature : 23.0  
 Filename : 1991d-TPF-UFCM\_20200508  
 Waves analysed : Bz117,Bx117,Izmes21,Ixmes21  
 Gap [mm] : 200  
 Phase [mm] : 10 Hall Z [mm] : -1 Peak Field Bx: 0.00699 T RMS Phase Error : 8.28 deg  
 Taper [mm] : 0 Hall X [mm]: 0 Delta Bx/Bx : 13.3 % Fund. En. (B2E) : 2933.1 eV = 0.4 nm  
 Peak Field Bz: 0.39049 T Radiation wavelength (lin. fit): 0.4 nm  
 Undulator Period : 22.00+-0.06 mm Delta Bz/Bz : 2.1 % Peaks used : 102  
 e-beam energy : 3 GeV Bx Taper : -2.649 G/m Bz Taper : -10.944 G/m  
 Krms : 0.568  
 V Dipole : -12.7 G cm Iz(coil) : -13.2 G cm Pred. C.C. currents  
 V Quadrupole : -2.4 G Iz(BzC) : -13.2 Gcm Iz(Bz) : 21.5 G cm I1 : 0.1795 A  
 V Sextupole : 65.5 G/cm Ix(coil) : -3.9 G cm I2 : -0.3207 A  
 H Dipole : -3.0 G cm Ix(BxC) : -3.9 Gcm Ix(Bx) : 295.2 G cm  
 H Quadrupole : -88.5 G I2x(sBx) : 0.0642 G m^2 I3 : 1.1229 A  
 H Sextupole : -42.8 G/cm I2z(sBz) : 0.0721 G m^2 I4 : -0.5230 A  
 BzTrj RMS dev. : 0.1 um  
 BxTrj RMS dev. : 0.3 um

