

# Kyma Analysis Report

Name : 1991b Date : 24. feb 2020 Temperature : 23.0  
 Filename : 1991b-TPF-UFCM\_20200224  
 Waves analysed : Bz281,Bx281,Izmes35,Ixmes35  
 Gap [mm] : 200  
 Phase [mm] : 8 Hall Z [mm] : 1 Peak Field Bx: 0.04387 T RMS Phase Error : 4.98 deg  
 Taper [mm] : 0 Hall X [mm]: 12 Delta Bx/Bx : 6.5 % Fund. En. (B2E) : 3332.7 eV = 0.4 nm  
 Peak Field Bz: 0.25682 T Radiation wavelength (lin. fit): 0.4 nm  
 Undulator Period : 22.00+-0.06 mm Delta Bz/Bz : 12.0 % Peaks used : 104  
 e-beam energy : 3 GeV Bx Taper : -13.771 G/m Bz Taper : 8.112 G/m  
 Krms : 0.379  
 V Dipole : -20.0 G cm Iz(coil) : -18.5 G cm Pred. C.C. currents  
 V Quadrupole : -80.6 G Iz(BzC): -18.5 Gcm Iz(Bz) : -20.5 G cm I1 : -1.3724 A  
 V Sextupole : -373.0 G/cm Ix(coil) : 45.1 G cm I2 : -2.5184 A  
 H Dipole : 16.1 G cm Ix(BxC) : 45.1 Gcm Ix(Bx) : 471.5 G cm  
 H Quadrupole : -313.5 G IIx(sBx) : 0.2137 G m^2 I3 : 0.2184 A  
 H Sextupole : 502.7 G/cm IIZ(sBz) : 0.0450 G m^2 I4 : -1.6423 A  
 BzTrj RMS dev. : 0.2 um  
 BxTrj RMS dev. : 0.3 um

