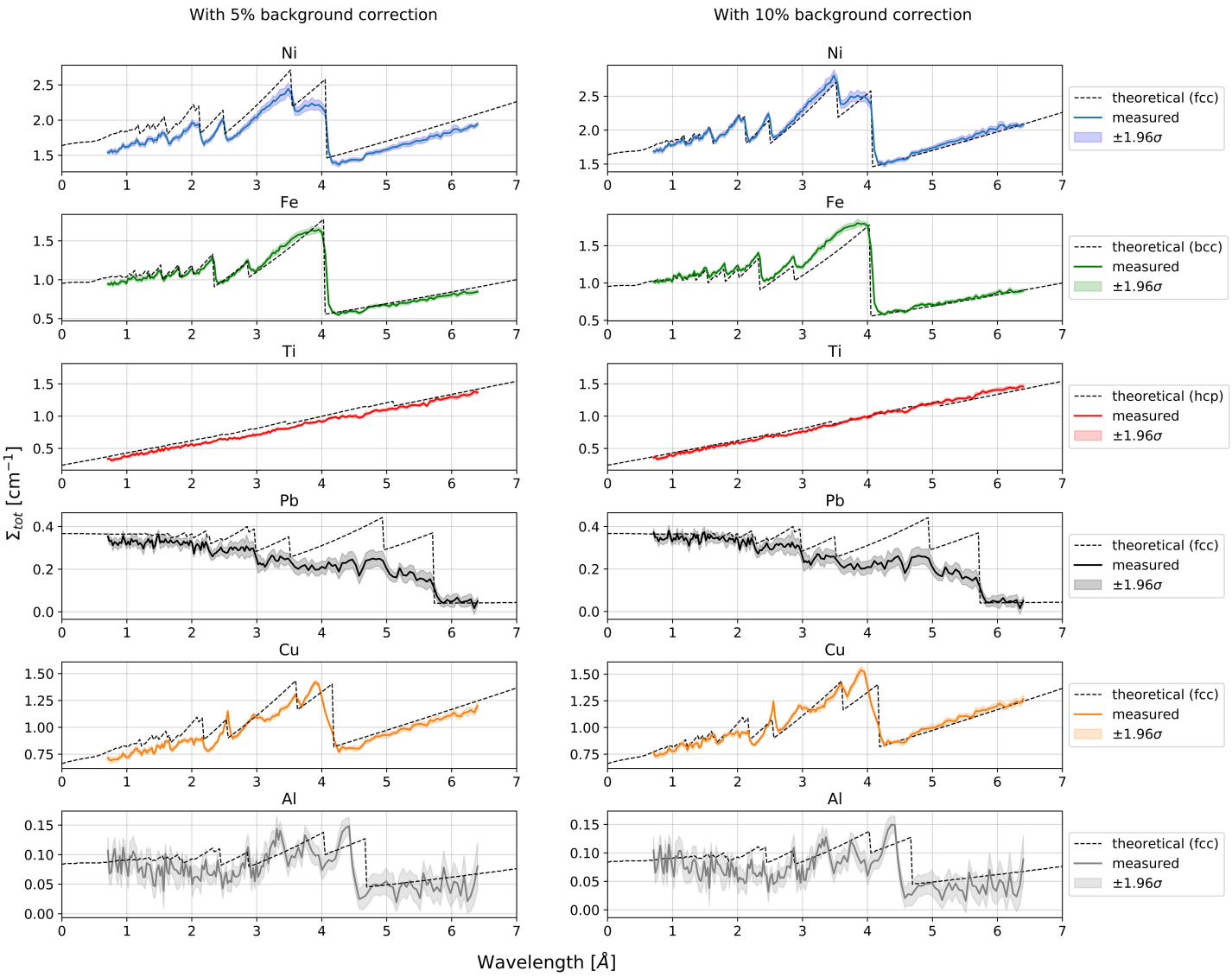

Fig. S1: Spectrum computation from tomographic measurements with background correction estimated as 5% (left) and 10% (right) of the measured signal for each wavelength bin. The average spectra were computed from a mid-height slice, by calculating the median value from 50 x 50 x 1 voxel ROIs centered in the middle of the insets. The error bars were computed as +-1.96 standard deviation of the 50 x 50 x 1 voxel ROIs along the sample.

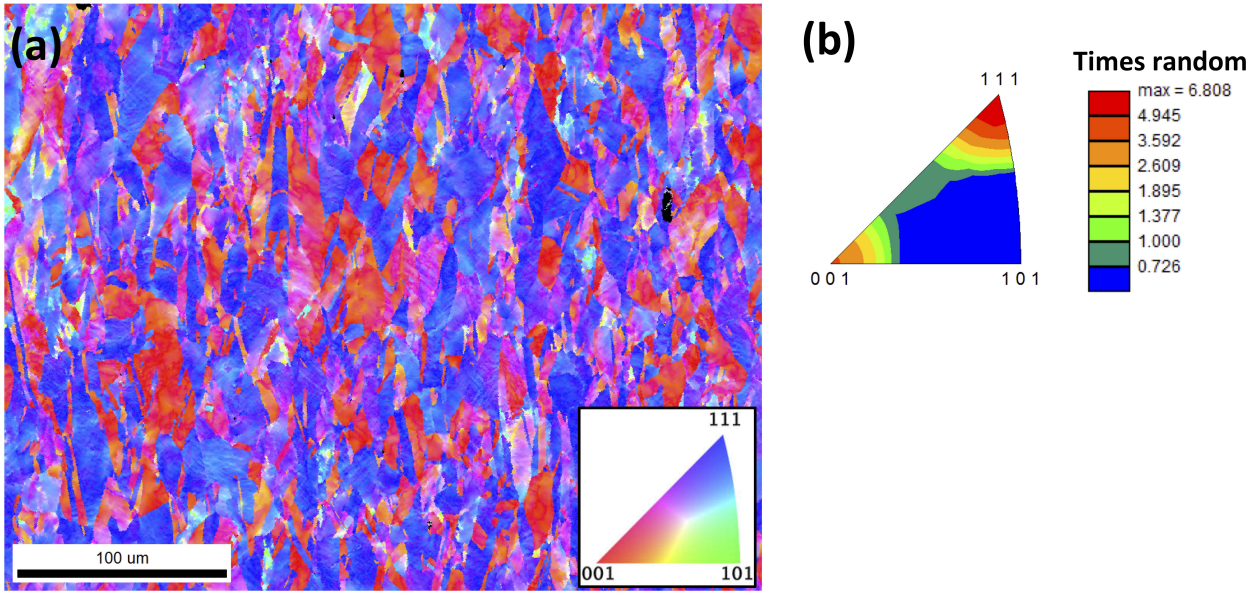

Fig. S2: (a) Inverse pole figure (IPF) map of the Cu sample in the direction parallel to the axial direction of the cylinder showing strong <111> and <100> crystallographic textures. (b) IPF of the axial direction showing the strong alignment of the {111} and {100} planes along this direction.