Figure S1. Observed (circles), calculated (continuous lines) and difference diffractograms obtained with TOPAS software for the sample Ni$_{3}$Al$_{0.8}$Fe$_{0.2}$-U with Ni and a model for non-crystalline carbon used in the quantitative PONCKS method (Ni 3.14 wt.%, non-crystalline carbon 96.86 wt.%). Conventional Rietveld agreement factor, R$_{wp}$ 8.13.