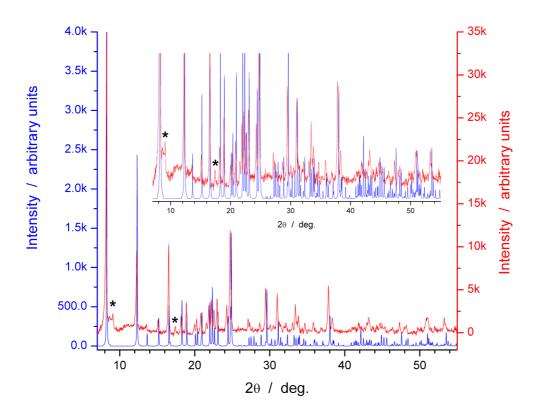
Supporting Information

A 2D Cobalt based coordination polymer constructed from benzimidazole and acetate ion exhibiting spin-canted antiferromagnetism

Leo Arai, Muhammad Arif Nadeem, Mohan Bhadbhade and John Arron Stride Arai, Muhammad Arif Nadeem, Mohan Bhadbhade

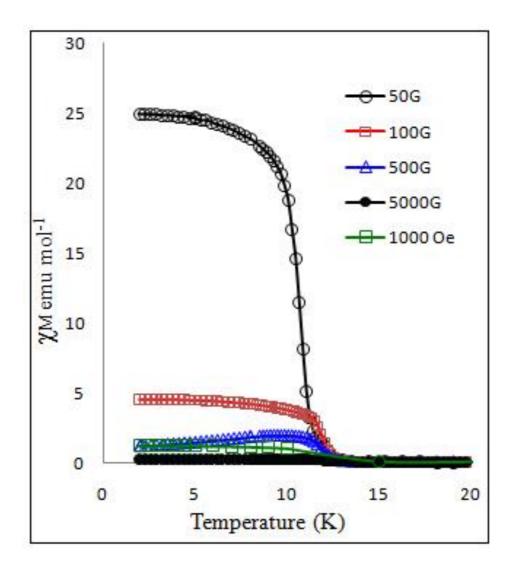


S1. Calculated and experimental powder XRD pattern of **1**. The highlighted peaks at 8° and 17.5° belong to a small amount of impurity present in the sample, estimated to ca. 1-2%.

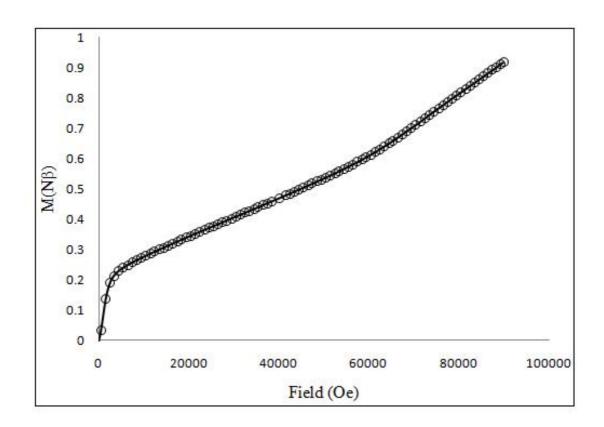
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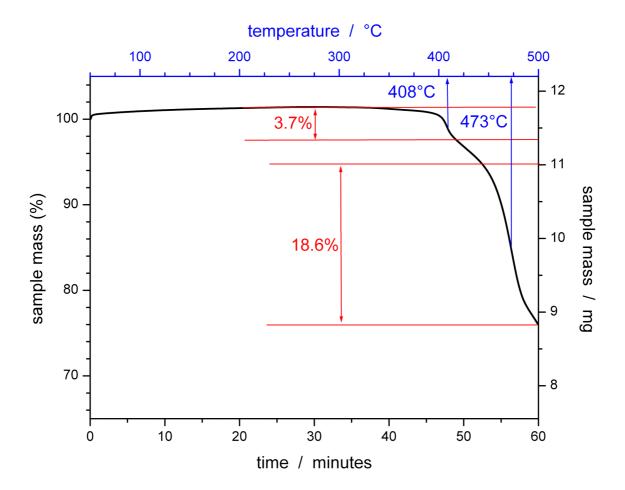
^c Bragg Institute, Australian Nuclear Science and Technology Organisation, PMB 1, Menai, NSW 2234, Australia.



S2. χ_M vs. T plot at various fields



S3. M vs. H plot at T = 2 K



S4. TGA curve of **1**: two regions of sample decomposition are observed, the first at 408°C which represents a partial degassing of the sample and the second at 473°C which is consistent with the evolution of one molecule of CO₂ per formula unit.