Inorganic Chemistry

Addition/Correction

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Correction to Structural Properties and Singular Phase Transitions of Metallic $Pr_{0.50}Sr_{0.50}CoO_3$ Cobaltite

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Page 12300. In the second paragraph of section III.c, it reads that the refined ordered ferromagnetic moment in the tetragonal phase is 0.8 μ_B/Co. The same value is given in the last column of Table 1 [0.84(4) μ_B/Co] corresponding to the neutron refinement at 15 K. We have detected a mistake in the multiplicity used for the ferromagnetic reflections during the magnetic refinement at 15 K. Actually, by using the correct multiplicities, the refined ordered ferromagnetic moment in the new low-temperature tetragonal phase is 1.76(9) μ_B/Co. This value must substitute to the previous value given in Table 1. So, in contrast to the claim in section III.c and that in the second paragraph of section IV (page 12303) confirming a reduction of the ordered FM moment at the transition, there is no reduction of the ferromagnetic intensity across the orthorhombic−tetragonal transition. This clarification does not alter any other result or conclusion shown in the paper (including all of the structural information). Also, a corrected Figure 3d is also provided.

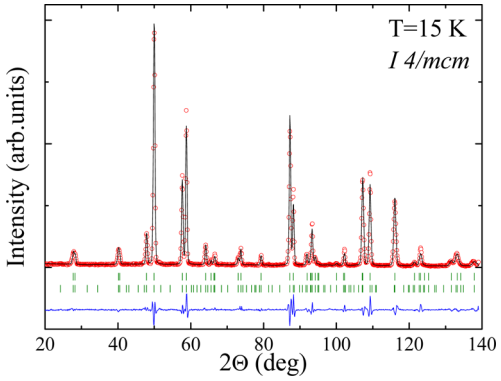

Figure 3. (d) Rietveld refinement (black line) of the neutron diffraction pattern [red circles, experimental points; bottom blue line, difference (bottom)] for $Pr_{0.50}Sr_{0.50}CoO_3$ at 15 K, tetragonal *I*4/*mcm* ferromagnetic phase (the second row of Bragg positions is the magnetic phase). (R_{mag} = 7.60 and R_B = 2.08, refined with m_x moments.)

Page 12304. A correction to the Acknowledgement is given.

■ ACKNOWLEDGMENTS

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