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La_{0.65}Ca_{0.35}MnO₃ from magnetic and neutron diffraction studies

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Corrigendum

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The authors regret their mistake in interpreting the neutron diffraction (ND) data of the $y = 0.5$ composition of the $(\text{La}_{1-y}\text{Pr}_y)_{0.65}\text{Ca}_{0.35}\text{MnO}_3$ system. Recent refined data analysis indicates CE-type antiferromagnetic behaviour of the $y = 0.5$ composition, which was incorrectly interpreted to be A type. However, the intensities of the peak due to the CE-type structure in $y = 0.5$ is not as intense as that of the $y = 0.6$ system. So it might be plausible that the fraction of ferromagnetism is comparatively higher in the $y = 0.5$ sample and CE phase has just started to grow thereby showing a mixed phase scenario, and as a result field dependent magnetization does not show a sharp step. With the increase of Pr concentration, the CE phase becomes quite prominent as evident from the diffraction pattern and simultaneously increasing sharpness of the magnetization steps. So the main text and conclusion of the paper are not affected. However, we feel it is our obligation to report the error and we apologize for any inconvenience which it might have caused. Complete analysis of the $y = 0.5$ system will be published elsewhere.