## Erratum: Incommensurate magnetic structure of CeRhIn<sub>5</sub> [Phys. Rev. B 62, R14621 (2000)]

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The formulas for magnetic cross sections,  $\sigma^{I}$  and  $\sigma^{II}$ , have an extra factor of 2, and the square root in the equation for  $\sigma^{II}$  on page R14 623 should not be there. Therefore, Eq. (3) on page R14 622 should be replaced by

$$\sigma^{I}(\mathbf{q}) = \left(\frac{\gamma r_{0}}{2}\right)^{2} \langle M \rangle^{2} |f(q)|^{2} (1 + |\hat{\mathbf{q}} \cdot \hat{\mathbf{c}}|^{2}).$$

The equation on page R14 623 and the two sentences after it should be corrected as follows:

$$\sigma^{II}(\mathbf{q}) = \frac{1}{2} \left( \frac{\gamma r_0}{2} \right)^2 \langle M \rangle^2 |f(q)|^2 (1 + |\hat{\mathbf{q}} \cdot \hat{\mathbf{c}}|^2).$$

Thus  $\sigma^{II}(\mathbf{q}) = \sigma^{I}(\mathbf{q})/2$ , and model I and model II cannot be distinguished in the diffraction. However, we prefer model I since a collinear magnetic modulation (model II) usually squares up with lowering temperature, generating higher-order harmonics.<sup>12</sup>

The staggered moment at 1.4 K should be  $0.374(5)\mu_B$  per Ce ( $\langle M \rangle^2$  increases by a factor of 2) instead of  $0.264(4)\mu_B$  per Ce. Other conclusions of the paper are not affected.