Erratum: Uncovering Non-Fermi-Liquid Behavior in Hund Metals: Conformal Field Theory Analysis of an $SU(2) \times SU(3)$ Spin-Orbital Kondo Model [Phys. Rev. X **10**, 031052 (2020)]

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In Fig. 1(d), thick faint dashed lines showing the weak-coupling RG flow (and correctly described in the caption) were missing. We provide the corrected version below, along with its original caption.

FIG. 1. (a) RG flow of the coupling vector $\mathbf{c} = (J, K, I)$ (projected into the J - K plane), obtained by solving the weak-coupling RG equations (2) [Eqs. (8–10) of Ref. [9]] for various initial values, $\mathbf{c}_0 = (J_0, K_0, I_0)$. Arrows depict the gradient vector $-[d/(d \ln D)](J, K)$ at equal steps of $\ln D$. (b,c) Weak-coupling RG flow of $\mathbf{c}(D)$ for (b) $\mathbf{c}_0 = (0.01, 0.3, 0)$ [red arrows in (a)] and (c) $(0, 0.3, 0.01)$ [blue arrows in (a)]. (d) Qualitative depiction of the conjectured RG flow in the full J - K - I space, for all non-negative couplings. Fat, faint dashed lines show the solutions $\mathbf{c}(D)$ of the weak-coupling equations (2), initialized at $K_0 \ll K_{\text{NFL}}^*$ with $(J_0, I_0) = (0, 0)$ (black), $(> 0, 0)$ (yellow), or $(0, > 0)$ (blue), and plotted only in the weak-coupling regime [beyond the latter, Eqs. (2) lose validity]. Solid lines, drawn by hand, qualitatively show the flow expected beyond the weak-coupling regime, including trajectories initialized at $K_0 \gg K_{\text{NFL}}^*$, with $(J_0, I_0) = (0, 0)$ (green), $(> 0, 0)$ (orange), or $(0, > 0)$ (purple). The black squares, cross, and circle depict fixed points.

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