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Developments in the position-space approach to the HLbL contribution to the muon $g - 2$ on the lattice.

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The anomalous magnetic moment shows a three to four standard deviations tension between its experimental value and theory predictions, and therefore demands further investigation. Experiments at Fermilab and J-PARC aim to reduce the uncertainty by a factor of four. The theoretical uncertainty has to be reduced in equal measure. It is dominated by the hadronic vacuum polarization (HVP) and hadronic light-by-light (HLbL) contribution. We will present developments in the position-space approach to the HLbL contribution.

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