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Evidence for the charged charmonium-like state Z_c^+ from lattice QCD

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We perform a lattice QCD simulation of the charmonium-like channel, where experiments recently found several manifestly exotic states named Z_c^+ with flavor content $\bar{c} c \bar{d} u$. In addition to identifying all the scattering states we also observe an additional level in the simulation, which we attribute to Z_c^+ .

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