Thermal masses of D mesons and hidden-charm exotics

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I will explain how we applied thermal effective hadron theories to extract the spectral functions of D and D^* mesons at finite temperature. Then, by modeling the exotic X(3872) / X(4014) as dynamically-generated states out of the D - \overline{D}^* / D^* - \overline{D}^* meson rescattering, I will address the thermal dependence of their masses and decay widths. When these states propagate at finite temperature their properties are severely modified by the presence of the thermal bath, loosing their bound-state character for moderate temperatures. Our results are shown in this publication.

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