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Chiral symmetry restoration with three chiral partners

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In this contribution I consider masses of chiral partners in the context of the chiral symmetry restoration at finite temperature. Using an effective quark model I first review the common situation where two mesonic chiral partners become nearly degenerate when temperature is increased above the chiral restoration one. Then I turn to an effective hadron theory for describing charm mesons where the chiral companion of the D meson is generated dynamically as a "double pole structure". In such a case three different masses (ground state + two poles) are to be analysed as functions of the temperature. I suggest a possible restoration pattern at high temperature when the back-reaction of the quark condensate is incorporated.

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