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Radially excited ψ mesons and the Y enhancements

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While many properties of the vector charmonium first excitations are yet to be determined, enhancements at unexpected energies are intriguing, alias the Y states. In order to understand the naturally unquenched mesonic line-shapes, the influence of the most relevant hadronic decay channels must be taken into account. Within an unitary effective approach we present results where mesonic loops are included in an equivalent manner to coupled-channels.

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