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Rare radiative charm decays in the standard model and beyond

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Rare charm decays offer a unique window to probe the up-type sector in flavor physics.

Motivated by the recent Belle measurement of the decay $D^0 \rightarrow \rho^0 \gamma$ we investigate its standard model contribution as well as physics beyond the standard model (BSM).

We study observables of rare radiative charm decays which are testable at colliders and identify possible effects BSM, in particular within leptoquark and supersymmetric models.

Experimental Collaboration

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