

# Standard Model Predictions for Rare K and B Decays without New Physics Infection and $Z'$ at Work

*Tuesday, 11 April 2023 09:45 (22 minutes)*

I will report on the recent strategies for the determination of the genuine Standard Model predictions for several branching ratios for rare K and B decays. Subsequently constraints on  $Z'$  models following from these strategies will be discussed and a new mixing matrix for  $Z'$  interactions with quarks that is analogous to the CKM matrix will be presented.

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**Session Classification:** Flavor

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