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Literature Review

An upper bound on the decay  
 $\tau \rightarrow \mu\gamma$  from Belle

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## 1 Introduction

1. General introduction
2. Brief overview of SM
3. Motivation for search

## 2 Leptoflavour Changing Processes

1. Look up papers/talk to John bc he knows leptoquarks ???
2. Feynman diagram; SM vs. BSM

## 3 Other Searches

1. Belle rules
2. BaBar drools
3. LHCb?
4. Belle 2 future searches

## 4 References

1. Belle papers
2. Charged-Lepton Flavour Physics (CERN): 1201.5093v2
3. Explaining the CMS Higgs flavor violating decay excess: 1409.7890v2
4. Flavor Violating Higgs Decays: 1209.1397v2
5. New Search for  $\tau \rightarrow \mu\gamma$  etc. (Belle): 0705.0650v2
6. An Upper Bound on the Decay  $\tau \rightarrow \mu\gamma$  from Belle: arXiv:hep-ex/0310029v3

## References

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