

# Search for a light $L_{\mu}$ - $L_{\tau}$ gauge boson at Belle II

*Thursday 1 December 2016 16:30 (20 minutes)*

In previous work, it was found that if  $L_{\mu}$ - $L_{\tau}$  massive  $Z'$  has a MeV-scale mass, muon  $g-2$  problem and IceCube gap can be simultaneously explained. Then, I have studied the detectability of  $Z'$  at the future Belle II experiment. I'll propose a detectability of  $Z'$  through a one photon + missing process.

## Summary

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