

# Phenomenology 2020 Symposium



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## Search for new phenomena in leptonic final states at CMS

*Tuesday 5 May 2020 14:30 (15 minutes)*

Leptons are a powerful probe of new physics at the LHC. Many models of BSM physics such as extra dimensions, an extended gauge sector, leptoquarks and resonant or non-resonant phenomena, are expected to manifest themselves in final states enriched with leptons. This talk presents searches by CMS for new exotic signals in leptonic final states. I will be focusing on the recent results obtained using the Run-II dataset with up to  $137 \text{ fb}^{-1}$  collected at the LHC.

### Summary

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**Session Classification:** BSM III

**Track Classification:** BSM