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## Open heavy flavor measurements in heavy ion collisions with CMS

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The study of heavy quark production is an effective way of investigating the properties of the medium created in heavy ion collisions. Heavy quarks are sensitive to the transport properties of the medium since they are produced at the early stages of collision. Heavy quarks can also reveal critical features of the medium because they interact with the medium differently from light quarks. Studies of open heavy flavor production in both PbPb and pPb collisions can help us understand the flavor dependence of energy loss in the medium. In this talk we present recent open heavy flavor results and perspectives of future studies with CMS.

### Oral or Poster Presentation

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