



Contribution ID: 17

Type: **Plenary Presentation**

## Partial wave analysis of $\tau^- \rightarrow \pi^- \pi^- \pi^+ \nu$ decays at Belle

*Friday 8 December 2023 14:30 (20 minutes)*

We present a partial-wave analysis of  $\tau^- \rightarrow \pi^- \pi^- \pi^+ \nu$  decays recorded with the Belle experiment at the KEKB  $e^+e^-$  collider. This work provides information on the  $a_1(1420)$  and  $a_1(1640)$  resonances, and aims to improve simulation studies necessary for measuring the electric and magnetic dipole moments and Michel parameters of the tau lepton.

### Name of collaboration or list of co-authors

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**Session Classification:** Friday after lunch