

Phenomenology 2021 Symposium



Contribution ID: 1102

Type: **Axions & ALPs**

Search for rare electroweak decay $B^+ \rightarrow K^+ \nu \bar{\nu}$ in early Belle II dataset

Wednesday 26 May 2021 18:15 (15 minutes)

An analysis of the $B^+ \rightarrow K^+ \nu \bar{\nu}$ decay mode using 63 fb^{-1} of $Y(4S)$ data collected during the 2019 and 2020ab run by the Belle II experiment is reported. A new inclusive tagging method is used to enhance sensitivity to this rare process. The method is validated with dedicated samples including 9.2 fb^{-1} of data taken off resonance.

Summary

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Session Classification: DM VI