



Contribution ID: 443

Type: Poster

Search for Dark Sector at Belle

Monday, 15 July 2019 18:30 (1h 30m)

Dark sector models can explain the relic abundance of universe and thus constitute attractive scenarios. We present the searches for dark sector particles in B decays at Belle. We also search for the dark Gauge boson Z' and light dark matter χ , in the process $e^+ e^- \rightarrow \mu^+ \mu^- Z'$ and $e^+ e^- \rightarrow \mu^+ \mu^- \chi \bar{\chi}$. Other analyses related to dark sector are also covered. The analyses are based on the full data set recorded by the Belle detector at the KEKB $e^+ e^-$ collider.

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Session Classification: Wine & Cheese Poster Session

Track Classification: Dark Matter