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Reconstruction of strange particles produced in Xe+CsI interactions at the BM@N experiment

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In December, 2022 - January, 2023 the BM@N experiment conducted its first physics run with full detector configuration. Over 500 million events of Xe+CsI interactions with the Xe beam kinetic energy of 3.8A GeV were collected.

Since then, strong efforts have been put to reconstruct and analyze the collected data. The current status of this activity will be presented on the example of the reconstruction of strange particles weakly decayed to charged hadrons.

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