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Title:	Slow-Pion Relative Tracking Efficiency Studies at Belle II
Authors:	Patra, S. (/jspui/browse?type=author&value=Patra%2C+S.)
Keywords:	Slow-Pion Tracking Efficiency Belle II
Issue Date:	2022
Publisher:	Springer Nature
Citation:	Springer Proceedings in Physics, 277(1), 871-874.
Abstract:	We study $B0 \rightarrow D^*-\pi^+$ and $B0 \rightarrow D^*-\rho^+$ decay modes to calculate the slow-pion relative tracking efficiency, where the $D^*-\pi^+$ further goes to $D0^0$ and $\pi^+$ . Owing to its limited phase space, the pion from $D^*$ decay is traditionally referred to as the slow pion due to a small mass difference between the $D^*$ and $D0^0$ . We report herein a measurement of efficiency in the momentum region of 50–320 MeV/c using $B0 \rightarrow D^*-\pi^+$ and $B0 \rightarrow D^*-\rho^+$ decay modes in simulated data.
Description:	Only IISER Mohali authors are available in the record.
URI:	<a href="https://doi.org/10.1007/978-981-19-2354-8_156">https://doi.org/10.1007/978-981-19-2354-8_156</a> ( <a href="https://doi.org/10.1007/978-981-19-2354-8_156">https://doi.org/10.1007/978-981-19-2354-8_156</a> ) <a href="http://hdl.handle.net/123456789/4921">http://hdl.handle.net/123456789/4921</a> ( <a href="http://hdl.handle.net/123456789/4921">http://hdl.handle.net/123456789/4921</a> )
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