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Title:	Measurement of branching fractions and CP asymmetries for $ds^+ \rightarrow k^+ (\eta, \pi^0)$ and $ds^+ \rightarrow \pi^+ (\eta, \pi^0)$ decays at belle.
Authors:	Bhardwaj, Vishal (/jspui/browse?type=author&value=Bhardwaj%2C+Vishal) Patra, Sourav (/jspui/browse?type=author&value=Patra%2C+Sourav)
Keywords:	Lepton colliders branching fractions
Issue Date:	2021
Publisher:	American Physical Society
Citation:	Physical Review D, 103(11).
Abstract:	We report measurements of the branching fractions and CP asymmetries for $D^0 \rightarrow K^0 \eta$, $D^0 \rightarrow K^0 \pi^0$, and $D^0 \rightarrow \pi^0 \eta$ decays, and the branching fraction for $D^0 \rightarrow \pi^0 \pi^0$. Our results are based on a data sample corresponding to an integrated luminosity of 921 fb^{-1} collected by the Belle detector at the KEKB epe- asymmetric-energy collider. Our measurements of CP asymmetries in these decays are the most precise to date; no evidence for CP violation is found.
Description:	Only IISER Mohali authors are available in the record.
URI:	https://doi.org/10.1103/PhysRevD.103.112005 (https://doi.org/10.1103/PhysRevD.103.112005) http://hdl.handle.net/123456789/5204 (http://hdl.handle.net/123456789/5204)
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