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Title:	Measurement of B (B s → D s X) with B s semileptonic tagging
Authors:	Bhardwaj, Vishal (/jspui/browse?type=author&value=Bhardwaj%2C+Vishal)
Keywords:	B s semileptonic tagging Measurement B (B s → D s X)
Issue Date:	2022
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Abstract:	e report the first direct measurement of the inclusive branching fraction B (B s → D s X) via B s tagging in e + e − → Y (5 S) events. Tagging is accomplished through a partial reconstruction of semileptonic decays B s → D s X ℓ ν , where X denotes unreconstructed additional hadrons or photons and ℓ is an electron or muon. With 121.4 fb − 1 of data collected at the Y (5 S) resonance by the Belle detector at the KEKB asymmetric-energy e + e − collider, we obtain B (B s → D s X) = (60.2 ± 5.8 ± 2.3) % , where the first uncertainty is statistical and the second is systematic
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