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Title:	Search for B 0 decays to invisible final states ( + γ ) at Belle
Authors:	Bhardwaj, V. (/jspui/browse?type=author&value=Bhardwaj%2C+V.)
Keywords:	Invisible decays Particle dark matter Supersymmetric models
Issue Date:	2020
Publisher:	American Physical Society
Citation:	Physical Review D, 102(1)
Abstract:	We report searches for B0 $\rightarrow$ invisible and B0 $\rightarrow$ invisible+ $\gamma$ decays, where the energy of the photon is required to be larger than 0.5 GeV. These results are obtained from a 711 fb-1 data sample that contains 772×106BB $^-$ pairs and was collected near the Y(4S) resonance with the Belle detector at the KEKB e+e- collider. We observe no significant signal for either decay and set upper limits on their branching fractions at 90% confidence level of B(B0 $\rightarrow$ invisible)<7.8×10-5 and B(B0 $\rightarrow$ invisible+ $\gamma$ )<1.6×10-5.
Description:	Only IISERM authors are available in the record.
URI:	https://journals.aps.org/prd/abstract/10.1103/PhysRevD.102.012003 (https://journals.aps.org/prd/abstract/10.1103/PhysRevD.102.012003) http://hdl.handle.net/123456789/3275 (http://hdl.handle.net/123456789/3275)
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