

Abstract Submitted
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Search For Dinucleon Decay Into Kaon Modes Using Multivariate Techniques MICHAEL LITOS, Boston University, SUPER-KAMIOKANDE COLLABORATION — The final results of a search for dinucleon decay into kaon modes (*e.g.* $pp \rightarrow K^+K^+$, in ^{16}O) in the Super-Kamiokande detector, are presented. Multivariate techniques are used to maximize search sensitivity. These dinucleon decay modes are motivated by R-Parity violating modes of Supersymmetry, and can be used to constrain the parameter λ''_{uds} .

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