

Abstract Submitted
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The Mesonic and Nonmesonic Decay Rates of the ΛHe^4 SHALVA
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We calculated the lifetime and the mesonic and nonmesonic decay rates of the four
body ΛHe^4 Hypernucleus by using Hyperspherical Functions method in momentum
space for different Nucleon-Nucleon and Lambda Nucleon effective potentials. The
effects of final-state interactions and possible three body ΛNN decay contributions
were studied in the context of a simple model of nucleon-stimulated decay.

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