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Spallation process by weakly interacting charged massive particle in nucleosynthesis KENICHI SUGAI, JOE SATO, Saitama University, KAZUNORI KOHRI, Lancaster University, KOICHI YAZAKI, RIKEN, MASAFUMI KOIKE, Saitama University, MASATO YAMANAKA, Institute for Cosmic Ray Research, University of Tokyo, TOSHIFUMI JITTO, Saitama University — Recent result from WMAP suggests the possible deficit of the abundance of the lithium in the universe. We note that this deficit can be accounted for by Supersymmetric extentions of the Standard Model of the elementary particles. The abundance of lithium 6 has been considered in these models, but without taking account of any nuclear spallation process caused by a Supersymmetric particle. In this work we calculate a rate of the spallation to evaluate the abundance.

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