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Peculiarities of distribution of ionization pushes of different sizes by data of the chamber ASK-1

Abstract content

In the structure of the Yakutsk installation complex to measure cosmic ray intensity there is a unique device - the ionization chamber of large size ASK-1. Such a chamber allows to investigate physical characteristics of ionization pushes i.e. events when ionization sharply increases. The effect is caused by the showers formed mainly by cosmic ray particles in the screen or in the nearest substance surrounding the chamber. During the analyzed period of continuous work of the chamber from June 14 , 1953 to June 28, 2001 56057 pushes were registered. It is shown that distribution of pushes in size has a few maxima. The possible nature of pushes of various sizes is discussed.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

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