

**ADVANCED METHOD OF ENERGY DETERMINATION OF  
COSMIC RAY NUCLEI, APPLICABLE IN LIGHTWEIGHT IN-  
STRUMENTS FOR SATELLITES.**

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The further development of new approach to energy determination of primary cosmic ray nuclei, based on measurements of spatial density of secondary particles, originated in target and modified by thin convertor, is presented. This method supposed to be principal in satellite project NUCLEON (2004-2005) aimed to measurement of primary nuclei spectra in wide energy range  $10^{11} - 10^{15}$  eV/particle and included in Russian Federal Space Research Program. The results of full Monte-Carlo simulation taking into account silicon microstrip detector response and model sensitivity of the method are analysed.