

Supplemental Material to the article

“A new Universal Cosmic-ray Knee near the Magnetic Rigidity 10 TV with the NUCLEON Space Observatory”

In Fig. 1–4 are shown the distributions of the values $\gamma_1, \gamma_2, \gamma_2 - \gamma_1, R_*$ that were obtained in the Monte Carlo simulation (10000 tests in each run) as described in the paper for all of the studied nuclear groups, for smoothing parameters $S = 2$ and $S = \infty$, for both methods of energy determination IC and KLEM.

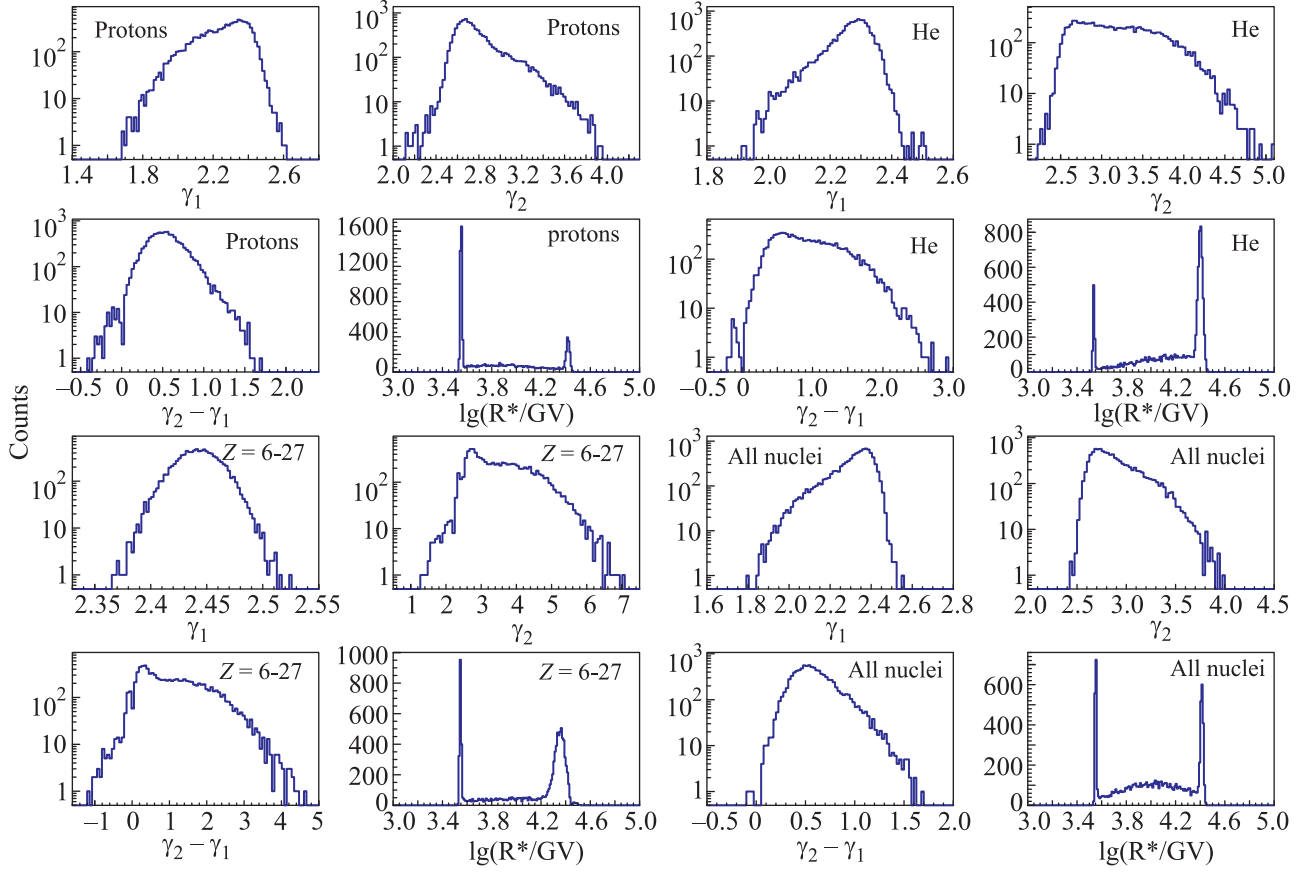


Figure 1: The distributions of the values $\gamma_1, \gamma_2, \gamma_2 - \gamma_1, R_*$ for IC, smoothing parameter $S = 2$

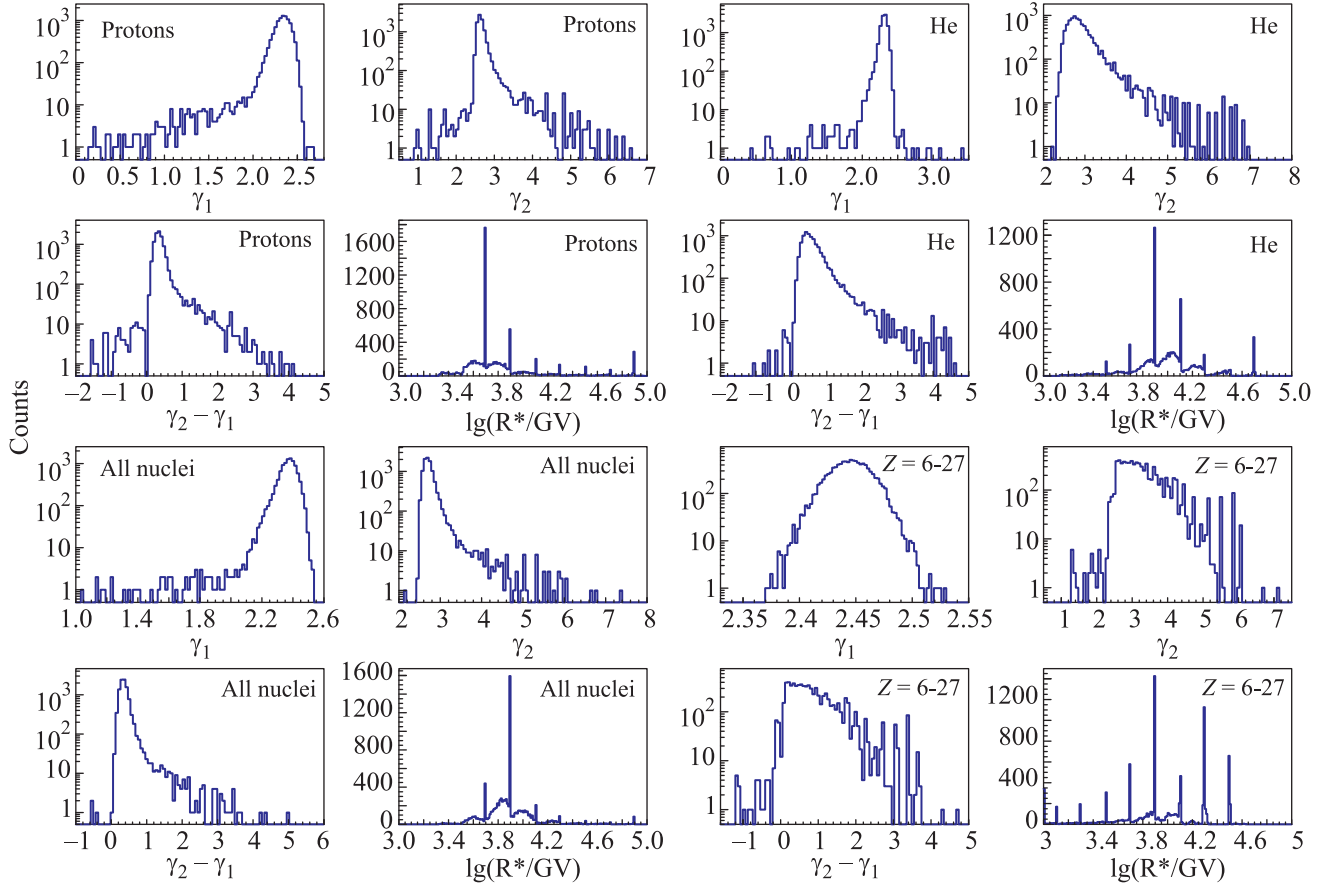


Figure 2: The distributions of the values $\gamma_1, \gamma_2, \gamma_2 - \gamma_1, R_*$ for IC, smoothing parameter $S = \infty$

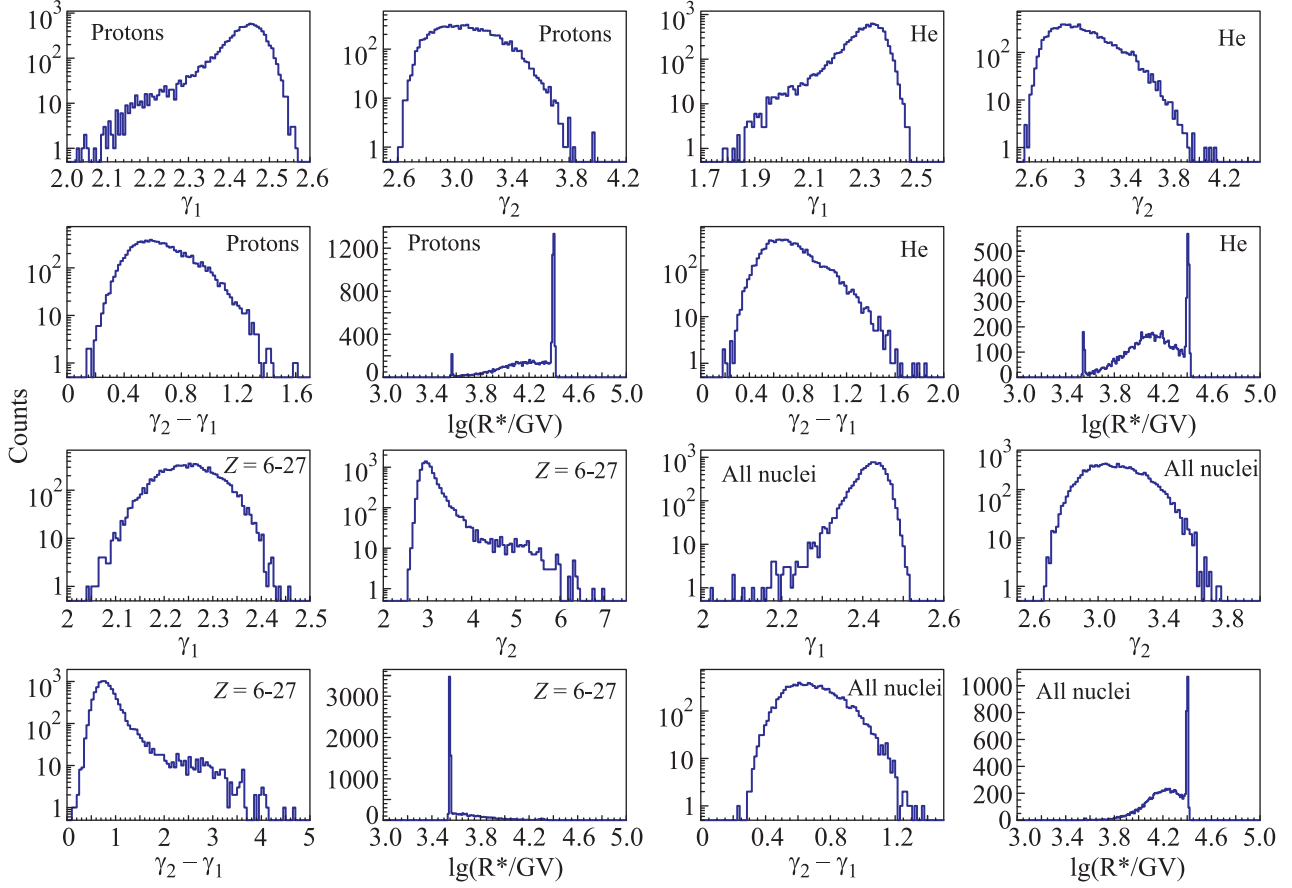


Figure 3: The distributions of the values $\gamma_1, \gamma_2, \gamma_2 - \gamma_1, R_*$ for KLEM, smoothing parameter $S = 2$

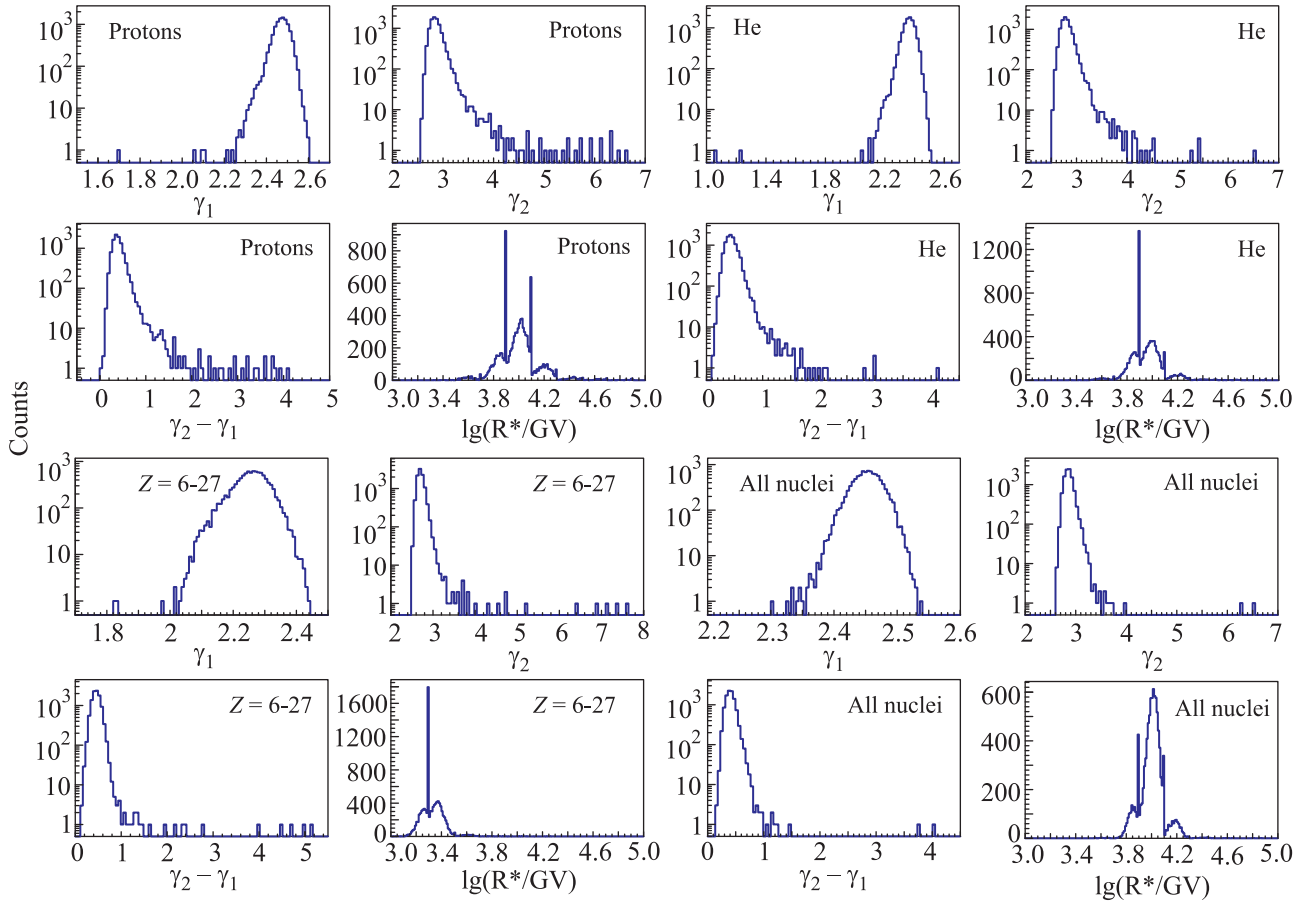


Figure 4: Fig. 4. The distributions of the values γ_1 , γ_2 , $\gamma_2 - \gamma_1$, R_* for KLEM, smoothing parameter $S = \infty$