

**THE OPTIMUM TECHNIQUE FOR MEASURING HIGH ENERGY GCR
(10^{12} - 10^{16} EV)**

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Different techniques for measuring the primary particle energy, using measurements of total energy of gamma-quants, generated in a target with small atomic weight, are discussed. It is shown, that these techniques provide a geometry factor (per instrument unit mass) which is two times smaller than that of a thick ionization calorimeter with spherical symmetry.