

DETECTION OF COSMIC-RAY BY JET TRIGGER METHOD

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Jet trigger is a method to detect high energy cosmic-ray event by use of multiple meson production right under the interaction point. This method has higher detection efficiency for heavy component of cosmic ray primary compared to cascade trigger method.

This jet trigger method was developed by use of target layer of passive type emulsion chamber in RUNJOB experiment. 56 events were detected in 40 *50 cm² and heavy primary of $Z > 10$ is 3 times as much as by cascade trigger method. Energy was determined by use of emitting angle of secondary charged particles and energy spectrum was obtained.