

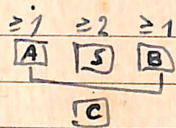
SHOWERS (AIR)

K. Sittler, D. Stierwalt, J. Kofsky : Development of Air Showers in the Atmosphere
Mt. Evans (Colorado) (4300 mt).

It is a study on air showers, made with anodoscope arrangement. They ~~can~~ select showers with cores near a ~~the~~ given place, and ~~they~~ they can classify showers according to their ages. A study of the lateral distribution is ~~made~~ (up to 8 mt.). They ~~study~~ attack all aspects of the showers at once, even at the price of less precision in one aspect. [D]

The primary energy has to be taken into consideration.

Centralization of the selected showers was obtained, partly because showers of greater density are needed in the center and partly because those showers which do not have less density in A and B are disregarded.



A cascade in lead (transition effect) allows to obtain the age of the showers.

The disagreement in the lateral distribution with theoretical calculations indicates that the single cascade model is not suitable. There is rejuvenescence (injection of new cascade-initiating electrons). The experim. lat. curve is found flatter.