

SPATIAL STRUCTURE OF EVENT WITH HALO IN AREA ENERGY $E > 10^{15}$

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In X-ray emulsion chamber to complex installation "Adron-44", located on height of 3340 meters above a sea level in mountains Tien Shan near Almaty some exotic events are registered. Among them two brightly expressed events with a halo - diffused shadow stain by the area a about 180 mm^2 . The similar events were registered in mountain experiments Japan-Brazilian collaboration in Bolivia, in cooperation "Pamir", in mountains Pamir et c. experiment on Jomolungma, in Japanese on Noricure et c. The main difference of our experiment from others is that the events with halo simultaneously were registered in nuclear emulsion, in a x-ray film and in ionization calorimeter. It has allowed to receive the detailed information on structure of showers with accuracy from micron up to several meters and energy from neutral components up to complete energy. To the present time 28 expositions XREC together with ionization calorimeter by duration from 3 months till 1.5 years are carried out. The total operating time makes $540 \text{ m}^2 \text{ year}$. The registered interactions in an atmosphere with halo are named "Sholpan" and "Anna". Some characteristics this interaction are given in the paper.