



BOGDASHIN, A.S.; BOGORODSKIY, A.A.; VINGARDT, M.B.; GORBUNOV, V.I.; GORBUNOV, V.R.; DUROV, V.K.; YERMAKOV, A.L.; IVANOV, A.A.; KARAKOVA, M.I.; KOBYLYAKOV, L.M.; KOZLOVSKIY, M.I.; MARAKHTANOV, K.P.; MIRUMYAN, G.N.; <u>MECHICTOV, G.P.</u>; NOVIKOV, A.G.; CL'EHOTSKIY, K.I.; PASTRYAKOV, A.I.; FORAPANOV, A.V.; SKLYAREVSKAYA, Ye.Kh.; SOLDATANKOV, S.I.; SOROKIN, Ye.M.; TRUSHINA, Z.V.; FEDOROV, P.P.; PRDOSAYEV, A.M.; FROG, N.P.; SHAMAYEV, G.P.; YANOVSKIY, V.Ya.; ORUKHOV, A.D., spetsred.; DSYEVA, V.M., tekhn.red.

[Handbook on new agricultural machinery] Spravochnik po novoi tekhnike v sel'skom khozisistve. Moskva, Gos.isd-vo sel'khoz. lit-ry, 1959. 364 p. (MIRA 13:2) (Agricultural machinery)

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136



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14(10)	
AUTHOR:	SCV/99-59-6-13/13 Sharov, N.A., Engineer
TITLE:	Conference on Froblems of Crop Irrigation Mechani-
FERIODICAL:	Gidrotekhnika i melioratsiya, 1959, Nr 6, 1p 61-64, (USSR)
ABSTRACT: Card 1/4	The article describes the Conference on Froblems of Crops Irrigation Mechanization in the USCA called by the Vsesoyuznyy nauchno-issledovatel'skiy insti- tut mekhanizatsii sel'skogo khozyaystva (All-Union Research Institute of Agriculture Mechanization) and held in Moscow from March 18 to 21, 1959. The Conference was dedicated to problems of sprinkling. The following organizations were represented in it: research institutes, water economy corporations, institutions of higher learning, special design offices, planning organizations, industrial enter- prises from the Uzbek, Ukrainian, Azerbaydzhan,

SC7/99-59-6-13/13 USSR

Georgian, Kirgiz, Kazakh, Turkmen, and the Moldavian SSR, the RSFSR, as well as the Gosudarstvennyy Nauchno-tekhnicheskiy komitet pri Sovete Ministrov SSSR (State Scientific and Technical Committee Attached to the Ministers Council of the USSR), the Giprovodkhoz, and the Ministerstvo sel'skogo khozyaystva SSSR (Ministry of Agriculture of the USSR). In all, the conference was attended by more than 100 specialists and representatives of at least 53 organizations. The conference had its past developments summed up and made several decisions to promote irrigation mechanization. The following reports were delivered there: A.V. Krasnichenko, Director of the VISKhOM, made an introductory speech, G.F. Nechetov, Senior Engineer of the Upravleniye novoy tekhniki i ispytaniya mashin MSKh GSSR (New Equipment and Machinery

Card 2/4

JCV/99-59-6-13/13

Conference on Froblems of Crop Irrigation Mechanization in the USSR

Testing Administration of the MSKh USSH), lectured on "Fresent-Day Condition and Work Cutlook for the Greation of New Sprinklers"; Candidate of Technical Sciences E.M. Lebedev, VISKhOM, - on Mis institute's laboratory work; Candidate of Technical Sciences S.Kh.Guseyn-Zade, Representative of the AzNIIGIM, - on sprinkling in the Azerbaydzhan COR; Candidate of Technical Sciences V.I. Halvnitskiy, GruzNIIGIM, - on sprinkling in the Georgian COR; Candidate of Technical Sciences V.I. Halvnitskiy, SruzNIIGIM, - on sprinkling in the Georgian COR; Candidate of the Moskovskaya opytno-issleiovatel'skaya dozhdeval'naya stantsiya (Moscow Station for Testing and Sprinkling Research), - on sprinkling in the Moskovskaya Colast'; V.I. Boglanovich, Cenior Scientific Worker of the UkrNIIGIM, - on prinkling in the Ukrmine; V.I. Vitte, Genior Scientific Conter

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are a superior of the second 367/99-59-6-13/13 Conference on Froblems of Grop Irrigation Mechanization in the USSR and herr sentative of the YuzhNIIGiM, - on sprinkling mechanization; A.N. Koryagin, Scientific Worker of the Institut sel'skogo khozyaystva imeni Dokuchayeva (Institute of Africulture imeni Dokuchayev), -on a mobile sprinkling system in the Central Chernozem Zone; D.I. Sazonov, Chief Agronomist of the Magnitogorskiy molochno-ovoshchnyy sovkhoz (Magnitogorsk Milk and Vegetable-Growing Sovkhoz), - on on sprinkling vegetables and potatoes in Southern Ural; Engineer-Hydrotechnician F.N. Yur'yev - on sprinkling cotton at the Sovkhoz "Pakhta-Aral", with an expedition of the SANIIRI doing appraisal work. ASSOCIATION: Glavodkhoz MSKh SSSR Card 4/4USCOME.-DC-61,002





NECHETSKAYA, R.M.; KOLESINSKAYA, N.I.

明朝的原理于同时用的方法

Relation between the immunogeniality and the quantity of 1978 microbes in dry antiplague vaccine. Dokl. Irk. gos. 1979.issl. protivochum. inst. no.5141-42 [63] ([IRA 19.1])

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001136





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MIKHALEVA, V. Yu.; KOLEBINCKAYA, N.I.; NECHETSKAYA, R.M.

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Relation of microbe viability in antiplague vachine to the age of the plated aerated culture. Doki. 1rk. gos. nauch - 1881. (MIRA 18:1) protivonhum. inst. no.5:36-40 '63





Time of the press of the moniton and the origin of still and the espectally putable in independent in the generaline formations of the Ural Mountains. Doki. AN SSLR 157 no.3:593-596 J1 1 64. (M.RA 17:7)

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SOV/56-36-4 ... 70 On the Structure of the Core and the Central Regions of Extensive Atmospheric Showers at Sea Level showers were recorded, with particle numbers of between O' and 10⁶, and axes which were at a distance of up to 30 π from the system of ionization chambers. From the manifold material sttained by these investigations the spatial distribution obtained for individual showers or groups of showers (classification according to particle number N) are analyzed. For spatial particle flux density it holds that $\varrho(r) \approx 2.10^{-3} N/r$ for $r < 0 \pi$ for the energy flux density: $\varrho_{E}(r) \sim r^{-r}$. For shower groups of different sizes (AN from 1.0.10 - 5.0.10 up to $5.10^3 - 5.10^5$) table 1 shows how many of the total of 82 investigated showers correspond to certain n-values (from 40.8 to 3.2 - 3.4). Figure 2 (a,b) shows the spatial distribution of the energy flux of electron-photon and nuclear-active components of two different shower groups, figure 3 shows the energy spectrum of the nuclear-active component in the shower cores, and figure 4 shows the distribution of the absolute values of the energy flux of the electron-photon component in a circle with the radius 1.5 m round the axis of a shower with $\overline{N} = 10^5$ part. es. Card 2/4The diagram is characteristic of the strong oscillations of 明白日期的目标

SOY/56-16-4-1,70 On the Structure of the Core and the Central Regions of Extensive Atmospheric Showers at Sea Level served. Figure 5 finally shows the spatial energy flix distribution within the range of from 0.1 to 30 m; the measured values (in a semilogarithmic diagram) are practically on a steeply declining straight line. Thus, the following is obtained for the electron-photon component: $e_{e-ph} \sim 1/r^{1.35}$ $e_{e-ph} \sim 1/r^{2}$ at 0.1 m < r < 2.0 m at 2.0 m < r < 30 m re-ph and for the nuclear-active component: $\rho_{n-a} \sim 1/r^2$ at 0.2m 4r430m. Figure 6 again shows the spatial distribution of the absolute values of energy flux in a distance of 10 m from the shower core; like within the range of the core itself, can be at ons are con-siderable. The authors finally thank G. T.Zatsepin d I. P. Iva nenko for advice and discussions. There are 6 figures, 3 tacles, and 3 Soviet references. ASSOCIATION: Institut yadernoy fiziki Moskovskogo gosudarstvennogo universi Card 3 /4 teta (Institute for Nuclear Physics of Moscow State University)



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CIA-RDP86-00513R00113(

NECHIM, Yu. A. 120 - pmz 537,691.15 V 7502. INVESTIGATION OF THE STRUCTURE OF EXTEN-SIVE AIR SHOVERS AT SEA LEVEL. A.T. Abrosimov, A.A.Bednyakov, V.I.Zatsepin, Yu.A.Nechin, V.I.Solov'eva, B.B.Khristiansen and P.S.Chikin. Zh. ekspar. teor. Fiz., Vol. 29, No. 5(11), 693-6 (1955). In Aussian. English translation in: Soviet Physics JETP In Hussian. English transition in: Dovict Physics and a (New York) Vol. 2, No. 2, 357-60 (March, 1956). 56 groups of 24 <u>counters</u>, each group containing counters utaither 24 100 or 330 cm² area, all hodoscoped, together with 4 penetrating-particle detectors have been suitably spaced at sea level and at the Pamir (3860 m) to study the distribution of the electronic and of the nuclear Interacting shower particles. The authors are satisfied that they can determine the position of the shower axis within 1 m. Results have been obtained by averaging over a number of abowers in narrow size (N) intervals. At distances from the core of 2 to 10 m the spatial electron distribution can be described by To m the spatial electron distribution can be write $N = 10^{\circ}$, 1/rⁿ, where n = 0.93 ± 0.08 for showers with N = 4 x 10[°]. Nuclear interacting particles in the interval 1.5×10^4 to 4×10^5 follow a curve $1/r^n$, with $n = 1.1 \pm 0.2$. The importance of the presence at sea level of a sharp core as well as the identity of ALL AND LOTEL THAT IS JAND IN 14 DOL 1 . . . X Allarmani

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Nechin, Yu. A.

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SEALLEVEL STUDIES OF THE HIGH_ENERGY NUCLEAR_ACTIVE COMPONENT OF EXTENSIVE AIR SHOWERS S. N. Vernov, N. N. Goryunov, V. A. Dmitriyev, G. B. Kulikov, Yu. A. Nechin, G. B. Kristiansen

1. High-energy nuclear-active particles were detected by large bursts produced in ionization chambers by these nuclear-active particles during passage through a composite filter of lead and graphite. The use of a composite filter permits firstly, of separating, in the best possible fashion, the ionization produced in the chambers by the electron-photon component (which appears in the filter due to nuclear-active particles) from the ionization created by the electronphoton component of the shower coming from the air. On the other hand, the use of such a filter gives rise to a situation when the ionization in the chambers turns out to be proportional to the total energy transferred from the nuclearactive particle to the electron-photon component in the filter. So, the energy of a nuclear-active particle can be determined from the burst in the ionization chamber on the basis of rather general considerations.

Report presented at the International Cosmic Ray Conference, Moscow, 6-11 July 1959

APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-005

NECHIN, YU. A.

A STUDY OF THE SPATIAL DISCRIPTION FUNCTION OF ELACTAONS AND THE DENSITY OF ENERGY FLUX OF THE ELACTRON_PHOTON COMPONENT IN EXTENSIVE AIR SHOWERS N.N. Goryunov, V.A. Dmitriyev, G.V. Kulikov, Yu. A. Nechin, G.B. Khristiansen

1. The spatial distribution of density of energy fluxes of the electronphoton component was determined from transition curves in lead outained for different distinces from the shower axis; the spatial distribution of particle fluxes was obtained by the method of correlated hodoscopes.

2. The spatial distribution of the density of energy flux of the electronphoton component was obtained up to r = 60 m from the shower axis in extensive air showers with the total number of particles $N = 10^4 - 2 \times 10^6$. The form of the function is independent of the strength of the shower and, if we approximate this function by a power law of the type r^n , we obtain

n = 1.2 = 0.2	0.3 m- r l m
n = 1.5 = 0.2	1 m - r 10 m
$n = 2.0 \pm 0.3$	10 m - r 60 m

Report presented at the International Cosmic Ray Conference, Moscow, 6-11 July 1959

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NFCHIR, Yu.A

GENERAL CONSTRUCT ON OF THE CONSTRUCTION AND ADDRESS OF A TOUR ADDRESS OF ADDRES

S.M. Varnov, G.H. Karistiansen, A.T. Abrosimov, M.M. Dorvunov, M.A. Umit Lev, G.M. Fulkov, Yu.A. Nochin, S., Dorolev, M.L. Doloveva, K.L. Dolov V, G., Dotrogalsky, B.A. Karenov

1. In late 1957, at the Moscow State University an arrangement was p-t into operation for multipurpose studies of extensive air showers of cosmid ray .

2. The arrangement is a complex assemble of similar-ously or mating expectal instruments (some 50% Geiger-fuller contents of vering an area of over .0% eV, and some 150 indication chambers of various slapes covering a total ar a of .3 mV, and a diffusion chamber of area 0.04 m²) and an mominate ell ctronic equipment and performance devices to record the instrument readilys when an extensive air shower passes through the arrangement. Most of this equipment is located in a spicially in ctud building. Three rooms of this building (-10 sque, in area each) have a light roofing of not more than 1.6 g cm² and two moons (26 m² and 50 m²) are situated underground at a depth corresponding to 20 and 40 metres water equivalent.

report presented at the International Cosmic Pay Conference, Moscow, 6-11 -14 1959.

时时间的国际中国新行时关系了出现 NECHIN, YU.A. 5 31517 5/627/h0:002/000/001:027 D2937 D364 3,2410 (1559, 2305, 2705, 2805) Vernov, S. N., Knristiansen, G.B., Abrosimov, A. T., Forgarov, N. N., Dmitriyov, V. A., Kulikov, G. B., <u>Ng Min, Yu. A.</u>, Sokolov, S. P. (luconsed), Solov'yevn, V. T., Solov'yev, K. I., Strugals'kiy, Z. S., and AUTHORS : Khrenov, B. A. TITLE: General description of the setup used for studying extonaive air enowers and the provisional results obtained International Scaterence on Commis Religion. Mean w, SOURCE: 1954. Trudy, v. 2. Chirokiye atmosfornyye livni i kas-kadnyye protesesay, $\xi_{-}^{-1} \xi_{-}$ laKT: A complex experimental actup was installed at M. cow at the University, consisting of a simultaneously operating physical apparatue, lus the corresponding relictechnical equiptions and post-graphial recording devices. The autup incorporates over 5000 Jen-ger-Muller counters (forming a hodoscope), about 150 ioniziti a Card 1/7

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محاور 😂 سر وجعود کو ترو س NECHIN, YU.A. 14 31526 S/627/60/002/000/00E/027 3, 9 410 (1559, 2205, 2705) D299/D305 Vernov, S. N., Goryunov, N. N., Dmitriyev, V. A., Ku-likov, G. V., <u>Nechin, Yu. A.</u>, Solov"yeva, V. I., Stru-gal'bkiy, Z.S., and Khristlansen, G. B. AUTHORSI Study of lateral-distribution function of charged par-ticles and of the energy density of the electron-proton TITLE: component of extensive air showers International Conference on Cosmic Radiation. Koucow, 1959. Trudy. V. 2. Shirokiye atmosfernyye livni i kas-SOURCEI kadnyye proteessy, 117-122 TEXT: The data obtained by means of the diffusion chamber and the hodoscoped counters permit determining the particle distribution in the neighborhood of the shower axis as well as at large distances from it. These data can be used for determining the number of par-ficles and the position of the axis to an acouracy of approximately ticles and the position of the axis and to an acouracy of se-i m by means of the hodoscoped counters, and to an acouracy of setioned and the position of the said to an accuracy of approximately i m by means of the hodoscoped counters, and to an accuracy of se-veral centimeters if the axis lies within the limits of the diffu-Card 1/5

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3 -5... Study of internal-fistribution ... prower. Then the experimental listration with the theoretical functions of biohister of Sits of the comparison are shown in a time of the in the form of the distribution of the ectron-photon component in the instruction $r \rightarrow 1$ m, and at large distances from the state of the ٠ž., ູ : cal fluctuations in the form of the energy anatritution in the core. 1.0 1 In each of the investigated showers, the energy flux of the elec-ron-photon component was found within a radius of 15 m; it turned out that the electron-photon component energy-flux was stronger (on the average) in showers with small s, than in showers with large s (s being the "age parameter"). The system of counters permitted recording showers with number of particles $N = 10^4$ to 10^7 . The data yielded by the diffusion chamber were used for construct-ing the distribution function for distances r(1 m from the snower axis. The conclusion was reached that the form of the electronphoton energy distribution-function does not depend on the number of particles in the shower. Therefore, all the data were referred to a shower with same S, and the average energy-density distribu-Card 3/5

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NECHIN, YU.A. 55.02 g/627.14 3,2410(1559,2705,2805) 12941 Vernov, S. N., Goryunov, N. N., Dmitriyev, V. A., K.-likov, G. V., Nechin, Yu. A., and Khristiansen, J. S. AU THORS : Study of high-energy nuclearactive component of extensive air showers at ses level TITLE: International Conference on Cosmic Radiation. Moncow, International conference on community and an internet 1959, Trudy. v. 2. Shirokiye atmosfernyye livni i kas-kadnyye proteessy, 123-131 SOURCE: TEXT: The high-energy nuclearactive component was studied by the apparatus of Moscow State University. The nuclearactive component was detected and measured by means of hodoscoped counters and ionization chambers. The processed hodoscope data permitted intermining the total number of particles N and the distance R_1 of the shower axis from the ionization chambers. Part of the data were processed by the electronic computer of Moscow State University; thereby the number of particles was determined to an accuracy of approximately Card 1/4

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00113(ر 31427 5/627/60/002/000/003/027 D299/D305 Study of high-energy ... clearactive component within a circle of given radius is made by high-energy particles, whose lateral distribution is such that, on the average, all the particles with energy $\geq 10^{-2}$ ev. are contained in a circle of radius r = 1 m. The distribution of the energy flux carried by the nuclearactive component showed that this flux is fairly widely distributed. Further, the transverse momentum imparted to the particles (during their generation), was estimated. The nuclearactive component of showers with $N = 10^4$ to 10⁶ at sea level carries an energy of 0.5 to 1.0 of the total energy, carried by the electron-photon component is a partit of the spectrum finet by the electron-photon component. As a result of the energy fluctuations of the nuclearactive component in the individual showers, the development of the showers fluctuates, too. The distribution of the energy flux of the nuclearactive component over a region of $1(r \leq 20 \text{ m})$ near the axis is described by the law $r^{-2}+0.25$; such a distribution should affect the characteristics of the soft component. There are 4 figures, 1 table and 10 references: 9 Soviet-bloc and : non-So-viet-bloc. The reference to the English-language publication reads as follows: J. Nishimura, K. Kamanta.Suppl. Prog.Phys., no.6, 1958. Card 4/4

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21(*) AUTHORS:	SOV/56-36-4-2/70 Vernov, S. N., Babetskiy, Ya. S., Goryanov, N. N., Kulikov, G. M. Nechin, Yu. A., Strugal'skiy, Z. S., Khristiansen, G. B.
TITLE:	On the Structure of the Core and the Central Regions of Extensive Atmospheric Showers at Sea Level (O strukture stvola i tsentral'- nykh oblestey shirokikh atmosfernykh livney na urovne morya)
PERIODICAL:	Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, Vol 36, Nr 4, pp 976-984 (USSR)
ABSTRACT :	The object of the present paper was an experimental investi- gation of the spatial distribution of the energy flux of the electron-photon and the nuclear-active component in the core and the central regions of extensive air showers; the present paper is a continuation of an article published in the pre- ceding issue of this periodical (Ref 1), in which the method and the experimental arrangement were already described. Figure 1 is a schematical representation of the chamber system with the distribution of hodoscope counters. The counters were located in groups of 12 and 24 in containers. The ionization chambers had a total area of 4 m^2 . In the course of the 1800
Card 1/4	hours during which the apparatus was in operation, about '8000





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H WERKGREET 医治疗 化合金化 化合金化 化合金化 NECHIN, YU.A. L 3.550 5/048/62/026/005/014/022 3, 9410 (1205, 2705, 2805) 3102, 3104 AUTHORS: Vornov, S. M., Khristiansen, G. B., Belyayeva, I. P., Dritrivey, Y. L., Kulikov, G. V., Nechin, Yu. A., Solov'yeve, V. I., and Khrenov, B. L. TITLE: The primary cosmic-ray component at superhigh energies and some peculiarities of its interaction with nuclei of air ١ atoms "kademiya nauk 535R. Izvestiya. Seriya fizicheskaya, v. 26, no. 5, 1962, 651-657 PERIODICAL TEXT: The paper is a report on experiments with the Moscow University large apparatus (area 4.10⁴ a²) for comprehensive studies of extensive air snowers induced by high-energy cosmic particles. The charged-particle detectors (Geiger counters in hodoscope arrangement) cover an area of 110 m^2 , the muon detectors (2-3 counter layers shielded with lead and iron, in hodoscope arrangement) more than $12 = \frac{2}{5}$, 6.3 m of which are under Card 1/0 g • ۱ **时时间的时间**,







	TITLE: New data on the a apparatus / Report of All from October 4 to 10, 10 SOURCE: AN SSSR. Izvest TOPIC TAGS: commit ray a ABSTRACT: Experiments ar on a complex apparatus for	Khristiansen, G. B.; Abrosimo v, G. V.; Nechin, Yu. A.; Sol study of broad atmospheric sh 1-Union Meeting on Goswic Ray 963_/ tiya. Seriya fisic bakaya, v. shower, nuclear particle, nuc: re described that were conduct	28, no. 11, 1964, 1886-1 lear physics apparatus	893	
	secon component of cosmic electron-photon, mu-meson showers in each individua ASSOCIATION: Neuches 400	and nuclear-active component lly recorded shower. Orig. an iedovatel'skiy institut yader	isultaneous information of the of broad atmospheric rt. has: 9 graphs, 3 table	n the sa.	
					

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VERNOV, S.N.; KHRISTIANSEN, G.B.; ABROSIMOV, A.T.; ATRASHKEVICH, V.B., BELYAYEVA, I.F., VEDENEYEV. O.V.; KULIKOV, G.V.; FOMIN, YU.A.; NECHIN, YU.A.; SOLOV'YEVA V.I.; KHRENOV, B.A.

> Fluctuations in the development of extensive air showers with a fixed total number of charged particles and a fixed total number of muons. Izv. AN SSSR. Ser. fiz. 29 no.9:1676-1681 S '65. (MIRA 18:9)

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	port, ALL-DALON V. 1965, 1070-1010	
	SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, tile, extensive air shower, particle TOPIC TAGS: commic ray shower, muon, charged particle, extensive air shower, particle in the marticle distribution	
	The authors have employed the model Law, AN SSSR Ser. fiz., 28, 2001.	
	versity, desired the simultaneous distributer S in extensive air shows the was de-	
	ticine. total mend for which the penith and the muon detector and the perpendental	
	ticles, total muster which the penith angle of the muon detector and the perpendente ers were selected for which the penith angle of the muon detector and the perpendente termined from the number of muons recorded by the muon detector and the known lateral distance of the muon detector from the shower axis with the aid of the known lateral distance of the muon detector from the shower axis with the aid not exceed 35 %. The distance of muons. The relative error in determining M did not exceed 35 %.	
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ACC NR: AP5024632 crror in determining 8 was estimated known age, calculated by Monte Carlo some 300 showers with total numbers o Histograms are given showing the dist M, with respect to M with fixed N, wi S with fixed M, and ecatter plots are sus 8 with fixed N. The correlation tween 0.62 and 0.72; the correlation orig. art. has: 10 fermulas, 4 figure	methods. The data presented were d of charged particles ranging from 10 ^o ribution of showers with respect to the respect to 8 with fixed N, and w given for N versus 8 with fixed N coefficient of 8 with N for fixed N	Flved from 5 to 4 x 10 ⁴ . N with fixed ith respect to and for N ver- ranged be-	
SUB 0005: NP/ SUBM DATE: 00/	ORIG NET: 006/ 0711 NEF: 001		
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ACC NRI APODIERS3 SCHOLANDER TR/0369 School/ School 1 THO : - Vornov, A. L.; selyayova, A. J. .; Vedeneyov, A. J.; Dult-spect Nochin, Yu. A.; Khristiansen, G. P. ORG: In tute of Huckbar Physics, Roscow State University (In tital gameney train Hoskovskoho gosudarstvonnogo universiteta) TITLE: Fluctuations of the energy fluxos of the nuclear-active and electron-photon components in extensive air showers (This paper was given at the 14th Annual Conference on Nuclear Spectroscopy, Tbilisi, February 19(4/ SOURCE: Yadornaya fizika, v. 2, no. 6, 1965, 1075-1086 TOPIC TAGS: extensive air shower, electron, photon ALGTIAUT: Experimental data are given on the fluctuations of the energy flux of the nuclear-active and electron-photon components in extensive air showers and on the connections of these fluctuations with each other and with fluctuations of the age parameter s. It is shown that the bulk of these data disagroes with the model described by Nymmik and Snestoperov (Paterials on the All-Union Conference, Apatites, 1964). The large role of the parameter s and other characteristics for the correct setting-up of experiments concerning extensive air-showers are discussed. Crig. art. mas: 10 figures and 3 tables. /Based on authors' Eng. abst. / [JiRS] SUL CODE: 03 / SUBH DATE: 23Apr65 / ORIG REF: 014 / OTH REF: 000 Card 1/1 .

ACC NR: AP7007082 SOURCE CODE: UR/0048/66/030/010/1694/1696 AUTHOR: Vernov, S. N.; Khristiansen, G. B.; Nechin, Yu. A.; Stoyanova, D. A.; Enrenov, B. A. ORG: none TITLE: Groups of particles at a depth of 40 meters entering into the composition of broad atmospheric showers /Paper presented at the All-Union Conference on Cosmic Radiation Physics, Moscow, 15-20 Nov 1965/ SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 10, 1966, 1694-1696 TOPIC TACS: muon, physics conference SUB CODE: 20,04 A study of the flux of particles at a depth of 40 m underground was ABS TRACT: made using the Moscow State University installation for the investigation of broad atmospheric showers. The purpose of the work described was determination of the shower-forming capacity of particles belonging to non-Poisson groups observed in the vicinity of the axis of showers. By assuming that the particles present in the groups observed were muons and using the experimental data obtained, the authors estimated that the average energy of muons in these showerforming groups was $1012 < E_{AL} < 1013$ ev. The determination of the showerforming capacity is of value in estimating the full amount of energy carried away by a muon group in a broad atmospheric shower. It was shown that the muons in a group have an energy of \sim 103 Bev $< E_{\mu} < 10^4$ Bev. This indicates that a muon group cannot carry away more than 10% of the energy of a primary particle, and therefore cannot be responsible for the escape of a signi-Card 1/2

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ant amount of energy in the at h-energy muons (B ≥ 10 ¹² m the standpoint of theoretica ospheric showers that have hit RS: 39,658/	ev) at a depth of 40m cannot I concepts concerning the deve	t be explained elopment of broad
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 (\mathbf{r}) SOURCE CODE: UR/0048/66/030/010/1685/1689 ACC NR: AP7007081 AUTHOR: Vernov, S. N.; Khristiansen, G. B.; Abrosimov, A. T.; Atreshkevich, V. B.; Belyayeva, I. F.; Vedenoyov, O. V.; Kulikov, G. B.; Nechin, Yu. A.; Solov'yeva, V. T.; Fomin, Yu. A.; Khrenov, B. A. TITLE: Phenomenological characteristics of broad atmospheric showers with a fixed number of / mesons and electrons / Paper presented at the All-Union Conference on Cosmic Radiation Physics, Moscow, 15-20 Nov 1965/ SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 10, 1966, 1685-1689 TOFIC TAGS: mu meson, cosmic radiation ABSTRACT: In an earlier work by Vernov et al (Izventiya Akademij Nauk SSSR, Seriya Fizicheskaya, 29, 1676, 1965), results obtained in a study at an installation of Moscow State University on broad atmospheric showers with zenith angles of 0-30° were reported. These results included the distribution of showers. with a fixed number of electrons N_e with respect to the number of high-energy mesons NAL and the age parameter S, distribution of showers with a fixed NAL with respect to Ne and S, and the coefficients of the correlation between S and the fluxes of electrons and M-mesons. In the work reported in this instance, the same relations were determined for broad atmospheric showers with zenith angles of 30-45°. The fluctuations of Mu, S, and Ne, observed for an effective atmospheric depth of 1240 g/cm², were the same as those for vertical showers established in the earlier work. To determine the differences due to an increase in Cord 1/2____

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"APPROVED FOR RELEASE: Wednesday, June 21, 200 CIA-RDP86-00513R001134 ACC NR: AP7007081 the effective atmospheric depth of 200 g/cm², calculations must be carried out with greater statistical practision. When results of the theoretical calculations on characteristics of broad atmospheric showers at 1260 g/cm become svaliable. the experimental data reported will be useful for the detarmination of the scompoistions of primary county rediction in the scale of the theoretical calculations (rig. art. hast) figures, 2 formulae and 1 table. "(HE: FIGHE: FIGH





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UBBR/Medicine (Veterinary) - Carriers of Infectious Diseases	"Experience in the Fight Against Ectoparas Farm Animals During the Period When They I in Stalls," V. I. Kurchatov, Dr Vet Sci, I Mechinennyy, Cand Vet Sci, Chief Vet Div, Oblast Agr Adm, V. M. Romanov	Veterinariya" Vol XXVIII, No 11, pp 45, 46	Describes experience in use of hexachlorane and DDT on animals in the Crimea kept during the vinter in stall and suffering from tick infestation. The ticks include H. scupense (transmits blood parasites		USSR/Medicine (Veterinary) - Carriers of Infectious Diseases (Contd)	<pre>M. equi and Th. annulata causing nuttailiosis and theileriasis in the spring), Ripicephalus bursa, Dermacentor marginatus, Hemaphysalis punctata, Hemaphysalis otophila, and Dermanissus.</pre>		Same issue, p. 6344 listed above under "New Books on Veterinary Medicine" So: Rpt. U-4502, 28 Aug 1953	
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NECHIPORCHUK, I., PAVLISHIN, M.

1 Sant 2 March 1007

"Controlled Growing of Winter Wheat Plants with Unstable Heredity." Tr. from the Russian. P. 28. (ZA SOCIALISTICKE ZEGEDELSTVI, Vol. 4, no. 1, Jan. 1954, Praha, Czechoslovakia) So: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

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HECH IPGRCHUK, I.D., kandidat sel'skekhesyaystvennykh nauk.
Sene cases of appearance of new forms in hops. Agrobiologiis no.h: 136 J1-Ag '56. (MLRA 9:10)
1.L'vovskiy sel'skskhesyaystvennyy institut. (Hope) (Betany--Variation)








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HECHIFORCHUK_I_D_, Loktor sel anokhozyayatvennykh nauk; PAULISHIA, MaRa; POLEACVA, L.M. LEDYUK, F 1 User some of nate 2 ascretion of navinorn and mediar. Agreeiologica note (18 920 N-L ol. (NEW (MLRA 15.2) 1. Lev. J. Ly beliskokseryagstvennyg institut. (Hedlar)

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Continuous cooking of starchy raw materials at the Michurinsk Alcohol Plant. Spirt.prom. 25 no.1:25-28 '59. (MIRA 12:2) (Michurinsk--Alcohol)



THE REAL PROPERTY.

NECHIPORENKO, A. A.; KELEYNIKOV, Ye. T.

Mechanized feeding of formalin. Spirt. prom. 29 no.3:18-21 '63. (MIRA 16:4)

1. Michurinskiy eksperimental'nyy spirtovoy zavod Vsesoyuznogo nauchno-issledovatel'skogo instituta fermentnoy i spirtovoy promyshlennosti.

> (Formaldehyde) (Fermentation-Equipment and supplies)



NECHIPORENKO, A.G.; PRIK, R.D.

The P914S and P917S presses for plastics. Biul. tekh.-ekon. inform. no.10:13-15 '59. (MIRA 13:3) (Power presses) (Plastics--Holding)

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NECHIPORENKO, A. Z.

Perforation of the kidney and ureter by a catheter. Urologiia no.3:14-16 '61. (MIRA 14:12)

> (KIDNEYS---WOUNDS AND INJURIES) (URETERS---WOUNDS AND INJURIES)









Eighth Congress of the Polish Urological Society, Urologiia 28 no.2:75-78 Mr-Ap⁶3. (MIRA 16:6) (UROLOGY-CONCRESSES)





FECHIPORENKO, A.Z.

短期舞

"Burgery in kidney and ureter calcula" by I.P.Pogorelko. Reviewed by A.Z.Nechiporenko. Sov. (Mray. Kir. no.6:5%-60 N-D'62. (MIRA 16:6) (CALCULI, URINARY) (KIDNEYS-SURGERY) (URETERS-SURGERY)

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MECHIPORENKO, P.P.

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Conjunction of a bleeding leionyoma of the small intestine with duodenal ulcer. Nov.khir.arkh. no.4:96-97 J1-Ag '59. (MIRA 12:11) 1. Kafedra khirurgii II (zav. - prof.I.I.Kal'chenko) Kiyevskogo instituta usovershenstvovaniya vrachey. (INTESTINES--TUMORS) (DUODENUM--ULCERS)

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"ECHIPORENKO, F.P., dotsent (Kiyev,ul.Ovruchskaya,d.17,kv.24);
POLIAKOV, N.C.
Initial multiple malignent tumors of the gastrointestinal tract.
Klin.khir. no.5168-71 My '62. (MIRA 1614)
1. Kafedra khigurgii II (zav. - prof. ILI.Kal'chenko)
Kiyevskogo instituta usovetshenstovanja vrachey.
(ALIMENTARY CANAL-CANCER)

NECHIPORENKO YF.P., dotsent

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Neurinomas of the stomach. Klin.khir. no.8:46-52 Jl '62. (MIRA 15:11) 1. Kafedra khirurgii II (zav. - zasluzhennyy deyatel' nauki, prof. I.I.Kal'chenko) Kiyevskogo instituta usovershenstvovaniya vrachey. (STOMACH-__TUMDRS)

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