"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

28-4-10/35

Determination of the Warmth-Insulating Properties of Clothing Material

ASSOCIATION: All-Union Research Institute for Animal Raw Materials and Furs (Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnogo syr'ya i pushniny) and [Moskva Technological Institute of Light Industry (Moskovskiy tekhnologicheskiy institut lëgkoy promyshlennosti)] for TRET'YAKOVA, L. I.

AVAILABLE: Library of Congress

Card 3/3

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

SHEKHTER, A. B.; TRET'YAKOVA, I. I.; YECHEYSTOVA, A. I.

Electron Microscope

Method for relocating a given visual field in the electron microscope.
Trudy Inst. fiz. khimii AN SSSR no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

SHEKHTER, A. B.; [illegible]; [illegible], A.I.

Electron Microscope

Method for relocating a given visual field in the electron microscope. Trudy Inst. fiz. khimii AN SSSR no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

SHEKHTER, A. B.; TRET'YAKOVA, I. I.; YECHEYSTOVA, A. T.

Electron Microscope

Method for relocating a given visual field in the electron microscope. Trudy Inst. Fiz. khimii AN SSSR no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. UNCLASSIFIED.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

USSR / Human and Animal Physiology (Normal and Pathological). Effect on Physical Factors. Ionizing Irradiations. T

Abs Jour. Ref Zhur-Biologiya, No 21, 1958, 98046

Author : Tret'yakova, K. A.

Inst : Not given

Title : The Content of Cholesterine and Ascorbic Acid in the Adrenals of Rats After the Effect of Ionizing Irradiation

Orig Pub: Probl. endokrinil, i gormonoterapii, 1957, 3, No 3, 72-74

Abstract: In white rats which were killed at various times after general X-ray irradiation of 700 r, the content of cholesterine (I) in one adrenal and in the

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

USSR / Human and Animal Physiology (Normal and Pathological). Effect on Physical Factors. Ionizing Irradiations. T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 98046

other of ascorbic acid (II) expressed as mg/g of raw tissue was determined. Already after one hour, a 34 percent decrease of I on the average was noted and II in 26 percent against control values. Approximately the same loss of I was found at subsequent periods of investigation and only after three days a partial recovery in the form of deficit decrease to 21 percent was noted at the time when the content of II was completely resotred in the first day but decreased again after three days. The weight of adrenals increased to some extent towards the end of the investigation. --E. B. Glikson

Card 2/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, K. A.

TRET'YAKOVA, K. A. --"Changes in the Cytochronoxidase and Succindehydrase Activity of Tissues in Atherosclerosis, and in Atherosclerosis Combined with Hypertonia, Based on Experimental Data." Moscow, 1955. (Dissertation for the Degree of Candidate in Biological Sciences.)

So.: Knizhnaya Litopis', No 7, 1956.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, L.G., tekhnolog.

Our experience. Leg.prom. 7 no.10:7-8 O '47. (MLRA 6:11)

1. Moskovskaya shveynaya fabrika No.11. (Clothing industry)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, L. I., Cand Tech Sci -- (diss) "Effect of processing methods on the heat-protective properties of intermediate cotton layers." Moscow, 1960. 17 pp; (Ministry of Higher Education USSR, Moscow Technological Inst of Light Industry); 130 copies; price not given; (KL, 19-60, 135)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

USSR/Cultivated Plants. General Problems. M

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68056

Author : Tret'yakova, L. S.
Inst : ~~Central Seed Control Laboratory~~ of the USSR Ministry of Agriculture.
Title : The Luminescent Method of Determining Germinating Power in Seeds.

Orig Pub : Sots. s. kh. Uzbekistana, 1957, No 8, 71-73

Abstract : A method has been developed by the Central Seed Control Laboratory of the USSR Ministry of Agriculture and the State Optical Institute based on different luminescences of chemical substances of seeds which will, as opposed to those which will not, germinate. In 1956, the Seed Control Laboratory of the USSR Ministry of

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

USSR/Cultivated Plants. General Problems.

Abs Jour : Ref Zhur-Biol., No 15, 195[illegible], 68056

Agriculture conducted luminiscent analyses of 70 specimens (20 wheat, 20 barley, 20 corn, 10 flax). Data are given determining the germinability in corn, wheat, and barley seeds, using the methods of painting with indigo-carmine, luminescence, and germinating. When a large percentage of the seeds germinated, the results of all three methods were similar; when seeds with reduced germinability were evaluated, however, germinating them produced lower indices. The author recommends the development of a method of applying mercury-quartz lamps to determine the germinability of seeds of all crops grown in the Uzbek SSR. -- [illegible] Nyazdrikova

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APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, M.I.

USSR/Nuclear Physics - Elementary Particles. C-3

Abs Jour : Ref Zhur - Fizika, No 4, 1957, 8648

Author : Gramenitskiy, I.M., Zamchalova, Ye.A., Podgoretskiy, M.I. Tret'yakova, M.I., Shcherbakova, M.N.

Inst :

Title : Two τ-Mesons Detected in Photographic Emulsions.

Orig Pub : Zh. eksperim. i teor. fiziki, 1956, 30, No 5, 967-969.

Abstract : A description of two decays of τ-mesons, detected in a type R photo emulsion (450 microns), exposed at an altitude of 27 km. In one case all three pions terminate their range within the emulsion pile, and with this one of the secondary pions has a small energy (9.5 0.2 Mev). This, according to Dalitz, is evidence of the assumption that the τ- and χ^- mesons are different particles, and not different types of decay of the same particle.

Card 1/1

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

ALEKSEYEVA, K.I.; ZHDANOV, G.B.; ZAMCHALOVA, Ye.A.; TRET'YAKOVA, M.I.; SHCHERBAKOVA, M.N.

Study by the photographic emulsion method of the interaction between 8.7 Bev protons and quasi-free nucleons. Zhur. eksp. i teor. fiz. 40 no.6:1625-1637 Je '61. (MIRA 14:8)

1. Fizicheskiy institut im. P.N. Lebedeva AN SSSR.
(Photography, Particle track)
(Protons)
(Nucleons)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

120-6-8/36

AUTHORS: Voykovskiy, B.A., Galaktionov, A.I., Tret'yakova, M.I. and Chudakov, A.Ye.

TITLE: Photometering of Tracks Due to Charged Particles in Photographic Emulsions (Fotometrirovaniye sledov zaryazhennykh chastits v fotoemul'sii)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1957, No.6, pp. 38 - 42 (USSR).

ABSTRACT: A photometer is described which can be used to determine the density of a track in a photographic emulsion. A photograph of the apparatus is given in Fig.1 and its principles are as follows. The part of the track under investigation is made parallel to the slit of the photometer. Light which passes through the track objective and then the photometer slit is intercepted by the cathode of a photomultiplier. Depending on the density of the track the output of the photomultiplier falls or increases, as the slit is moved along and parallel to the track. The voltage across the photomultiplier load is then amplified by an amplifier and is applied to the plates of an oscilloscope. An automatic device is incorporated which ensures that the track always lies within the slit. The quantity h/H (where h is the maximum density on the axis of the track and H is the background density) was measured for protons and

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Photometering of Tracks Due to Charged Particles in Photographic Emulsions.

π-mesons as a function of residual range. Comparing the ranges of protons and π-mesons corresponding to the same value of h/H the ratio of the mass of the protons to that of the mesons could be calculated (for ranges between 520 and 1 100, and 3 800 - 7 000 microns for protons and π-mesons, respectively). Figs. 4 and 6 show curves of h/H as functions of range for protons, π-mesons, and τ-mesons. Using the above method, it also is possible to determine the cross-sectional profile of each track. The area under this curve is denoted by S. The following masses were found for the τ-mesons:

$$m_\tau = (1\,050 \pm 175)\, m_e \quad \text{(from h/H and the range)}$$

$$m_\tau = (985 \pm 120)\, m_e \quad \text{(from S and the range).}$$

The values for the π-mesons are as follows:

$$m_p/m_\pi = 6.4 \pm 0.6 \quad \text{(from h/H and the range)}$$

$$m_p/m_\pi = 6.6 \pm 0.5 \quad \text{(from S and the range).}$$

Card2/3 It is found that using the "S method" it is easier to separate singly-charged particles of different nature. A measurement of

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

Photometering of Tracks due to Charged Particles in Photographic Emulsions. 120-6-8/36

S will also yield Z for relativistic particles. V. Karpova and V. Sachkov carried out the measurements on the instrument. There are 6 figures and 7 non-Slavic references.

ASSOCIATION: Institute of Physics imeni P.N. Lebedev Ac.Sc. USSR. (Fizicheskiy Institut im. P.N. Lebedeva AN SSSR)

SUBMITTED: May 21, 1957

AVAILABLE: Library of Congress.

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APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, M.I.

120-6-9/36

AUTHORS: Voykovskiy, B.A., Galaktionov, A.I. and Tret'yakova, M.I.

TITLE: An Instrument for Measuring the Length and Number of Gaps in Tracks due to Charged Particles in Photographic Emulsions. (Pribor dlya izmereniya dliny i chisla razryvov na sledakh zaryazhennykh chastits v fotoemul'siyakh)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1957, No.6, pp. 42 - 45 (USSR).

ABSTRACT: A gapmeter is described which can be used to measure simultaneously the length of a given part of a track due to a charged particle, the number and the total length of gaps (of given length or greater than a given length) between the grains of the emulsion. Curves are given of the differential and integral gap length as functions of range for protons and π-mesons in NIKFI-R emulsions. The instrument works as follows. The microscope stage on which the emulsion is placed can be moved by means of an electric motor. To begin with, the track under investigation is lined up parallel to the direction of motion of the microscope stage. The movement of the stage is transformed into photoelectric impulses which after amplification and shaping are fed into a counter. In one of the eye pieces of the microscope there is a thin wire perpendicular to the track. When the beginning of the part of the track under

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

An Instrument of Measuring the Length and Number of Gaps in Tracks 120-6-9/36
due to Charged Particles in Photographic Emulsions.

investigation coincides with the wire the observer presses a button which switches in the counter which measures the total length of the track. When the wire coincides with the beginning of a gap the observer switches in the counter which measures gap length and automatically counts the number of gaps. After each 100 μ of the track the motor automatically stops and the observer makes a note of the readings of the counters. The motor has a variable speed which can be regulated by the observer e.g. when he comes towards the end of the gap he can slow down the motor. Curves are given of gap length L as a function of range for protons and π-mesons, the total length of the gaps as a function of range for π-mesons, protons and τ-mesons, and the total number of gaps as a function of range for π-mesons, protons and τ-mesons. The following values were obtained:

$m_p/m_\pi = 6.1 \pm 0.3$ (from L and range)

$m_p/m_\pi \approx 6.5$ (from the total length of gaps and range)

m_τ/m_p 0.5 - 0.6 (-ditto-)

Card 2/3

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

An Instrument of Measuring the Length and Number of Gaps in Tracks due to Charged Particles in Photographic Emulsions. 120-6-9/36

A. Nomofilom and Ye.A. Brik carried out the measurements on the gap-meter. There are 6 diagrams and 6 references, 2 of which are Slavic.

ASSOCIATION: Physical Institute imeni P.N. Lebedev Ac.Sc. USSR. (Fizicheskiy Institut AN SSSR)

SUBMITTED: April 26, 1957.

AVAILABLE: Library of Congress.

Card 3/3

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET YAKOVA M. I.

GRAMENITSKIY, I.M.; ZHDANOV, G.B.; TRET'YAKOVA, M.I.; SHCHERBAKOVA, M.N.

Soft component of electron-nuclear showers with energy of the order of 10^{14} ev. Zhur. eksp. i teor. fiz. 33 no.1:282-283 Jl '57. (MLRA 10:9)

1. Fizicheskiy institut im. P.N. Lebedeva Akademii nauk SSSR.
(Cosmic rays)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'IAKOVA, L. Ye., ed.

Russia (1923- U.S.S.R.) Map on world vegetation; for secondary schools. (Map 54-899)
G3201.D2 194-.R82

1. Phytogeography - Maps. I. Tret'iakova, L.E., ed. II. Tkachenko, V.I., ed. III. Il'inskii, Aleksei Forfir'evich.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, L.Ye.

TRET'YAKOVA, L.Ye., redakter.

[European U.S.S.R.; physical map] SSSR - Evropeiskaia chast': fizicheskaia karta. Otvetstvennyi redaktor Tret'iakova, L.E. [Moskva? 1946] (MLRA 7:5)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i kartografii.
(Russia--Maps, Physical)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, L. Ye.

PRASOLOV, Leonid Ivanovich, 1875-1954, nauchnyy redaktor; TRET'YAKOVA, L.Ye., redaktor

[Soil map of the U.S.S.R.; for use in the secondary school] Pochvennaia karta SSSR; uchebnaia, dlia sredney shkoly. Nauchnyi redaktor L.I.Prasolov. Otvetstvennyi redaktor L. Ye.Tret'iakova. Moskva, 1949. (MLRA 7:6)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i kartografii.
(Soils—Maps)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

IL'INSKIY, Aleksey Porfir'yevich; TRET'YAKOVA, L.Ye., redaktor

[Vegetation map of the world; for secondary schools] Karta rastitel'-nosti mira: uchebnaia dlia srednei shkoly. Red. Tretiakova, L.E.. Moskva, 1954. (MLRA 9:12)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye geodezii i kartografii.
(Phytogeography--Maps)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

KRIMER, I.L., otv.red.; SOBOLEVA, V.S., otv.red.; SKURYGINA, P.V., P.V., otv.red.; SHURAN, Ye.M., otv.red.; TRET'YAKOVA, L.Ye., otv.red.; BALANTSEVA, I.A., otv.red.; SHAPIRO, Ye.M., otv.red.; FEDOSEYEV, V.A., red.; BENEVSKAYA, V.A., red.; SOLOV'YEV, S.N., tekhn.red.

[Cartographic chronicle; organ of the state bibliography of the U.S.S.R. for 1951-1953] Kartograficheskaia letopis'; organ gosudarstvennoi bibliografii SSSR, 1951-1953. Moskva, Izd-vo Vsesoiuznoi knizhnoi palaty, 1954. 162 p. (MIRA 12:7)

1. Vsesoyuznaya knizhnaya palata.
(Bibliography--Maps)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

SOV/14-57-12-25402KRT

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 12, p 13 (USSR)

EDITOR: Tret'yakova, L. Ye.

TITLE: A Zoogeographical World Map for High Schools. Scale of 1 : 20 000 000 (Zoogeograficheskaya karta mira dlya sredney shkoly. M. 1 : 20 000 000)

PERIODICAL: Gl. upr. geod. i kartogr. MVD SSSR, 1957, 4 l., 6 rub.

ABSTRACT: Bibliographic entry

Card 1/1

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

KOVSHILO, A.I.; TRET'YAKOVA, L.Z.

Analysis of the electric reactions of the brain to rhythmic light stimulation in cerebral vasopathy and sclerosis of the cerebral vessels. Trudy 1-go MMI 34:563-568 '64. (MIRA 18:11)

1. Kafedra psikhiatrii (zav. - zasluzhennyy deyatel' nauki prof. V.M. Banshchikov) 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, M.I.

USSR/Nuclear Physics - Fission FD-2210

Card 1/1 Pub. 146-15/25

Author : Gramenitskiy, I. M.; Zamchalova, Ye. A.; Podgoretskiy, M. L.; Tret'yakova, M. I.; and Shcherbakova, M. N.; [redacted]

Title : Nuclear fissionsconnected with heavy unstable particles

Periodical : Zhur. eksp. i teor. fiz. 28, 616-617, May 1955

Abstract : The authors remark that, by means of the method of thick-layered photo-emulsions, nuclear physicists have up to the present time found more than 100 nuclear fissions in which hyperons (charged hyperons Yt and Ao particles) and heavy mesons with mass about 1000 me (K and tau mesons) are produced; also observed are about 30 secondary nuclear fissions caused by nuclear capture of residual negative heavy mesons. In this short note the authors briefly expound certain results of a statistical analysis of these fissions. Seven references, all non-USSR.

Institution : Physics Institute im. P. N. Lebedev, Academy of Sciences USSR

Submitted : February 8, 1955

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, M. I.

USSR/Nuclear Physics - Nuclear capture of mesons FD-2879

Card 1/2 Pub. 146 - 16/26

Author : Zamchalova, Ye. A.; Karpova, V. I.; Tret'yakova, M. I.

Title : Nuclear capture of negative heavy meson

Periodical : Zhur. eksp. i teor. fiz., 29, August 1955, 245

Abstract : In type-P photoplates with emulsion thickness 300 microns irradiated in the stratosphere, the authors found a case where the visible flight path of one particle (photograph in the original) amounts to as much as 495 microns. According to a measurement of ionization and scattering along the trace, the photograph shows clearly that the particle was stopped at a certain point A from which proceed two tracks: one gray one and one very short black one about 1 micron. The presence of the short black track testifies to the nuclear capture of a primary particle which thus can be either a negative pi-meson or a heavier negative particle. Another particle exited from the emulsion after traversing a path of 674 microns, its ionization amounting to 3.2 ± 0.3 of minimum ionization; hence it follows that the first mentioned particle is heavier than a pi-meson, since if one even assumes the second particle to be a proton then its energy must be about 200 Mev. A proton of such energy cannot be created during nuclear capture

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

Card 2/2

FD-2879

of a pi-meson. The mass of the second particle turns out to be $350 \pm 200 \cdot m_e$; therefore it must be a pi-meson, and hence its energy is about 30 Mev. Similarly, the mass of the first particle must be between pi-meson and proton, all of which indicates nuclear capture of the stopped negative heavy meson. Thanks I. M. Gramenitskiy and M. I. Podgoretskiy.

Institution : Physics Institute im. P. N. Lebedev, Academy of Sciences USSR

Submitted : April 18, 1955

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

GRAMENITSKIY, I.M.; ZAMCHALOVA, Ye.A.; PODGORETSKIY, M.I.; TRET'YAKOVA, M.I.; SHCHERBAKOVA, M.N.

Two τ-mesons detected in a photographic emulsion. Zhur.eksp. i teor.fiz. 30 no.5:967-969 My '56. (MIRA 9:9)

1.Fizicheskiy institut imeni P.N.Lebedeva Akademii nauk SSSR.
(Mesons)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, M. I., Cand Master Phys-Math Sci — (diss) "Determining the mass of slow charge particles on photographic plates." (AS USSR Publishing House), Moscow, 1957, 11 pp, (AS USSR. Physics Inst im. P.N. Lebedev), 125 copies.

(KL, No 40, 1957, 90)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, M.I.

56-6-3/56

AUTHOR: TRET'YAKOVA, M.I.

TITLE: Determination of the Mass of Slow Charged Particles in Photographic Emulsions. (Opredelenye massy medlennykh zaryazhennykh chastits v fotoplastinkakh, Russian)

PERIODICAL: Zhurnal Eksperim. i Teoret. Fiziki, 1957, Vol 32, Nr 6, pp 1280 - 1293 (U.S.S.R.)

ABSTRACT: The determination of the mass of charged particles in photoplates is permissible only if the same results have been obtained by several methods. The following methods are used:
a) The method of magnetic deflection and determination of range,
b) mass determination from ionization and range,
c) from scattering and range.

As secondary particles positive mesons with a mass of $\sim 1000\ m_e$ with $2,5 \pm 1,5$ % of the found protons were measured in an altitude of 9,5 km. Particles with a mass of between 500 - 600 m_e were not observed (<< 1% of the protons found).

For photoplates which were irradiated with ~ 460 MeV the mass distribution of the slow charged particles is determined.

In the case of both experiments many deuterons were found among the slow charged secondary particles, which amounted to about

Card 1/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

Determination of the Mass of Slow Charged Particles in Photographic Emulsions. 56-6-3/56

50 % of the number of protons.
(With 6 tables, 3 illustrations, and 9 Slavic references)

ASSOCIATION: Physical Institute "P.N.LEBEDEV" of the Academy of Science of the U.S.S.R. (Fizicheskii institut im P.N.IEBEDEVA akademii nauk S.S.S.R.)

PRESENTED BY:

SUBMITTED: 27.12.1956

AVAILABLE: Library of Congress

Card 2/2

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRETYAKOVA, M. I.

AUTHOR: GRAMENITSKIY, I.M., ZHDANOV, G.B., TRETYAKOVA, M.I. SHCHERBAKOVA, M.N. 56-7-50/66

TITLE: The Soft Component of an Electron Nuclear Shower at an Energy of $\sim 10^{14}$ eV. (Myagkaya komponenta elektronno - yadernogo livnya pri energii poryadka $\sim 10^{14}$ eV)

PERIODICAL: Zhurnal Eksperim. i Teoret.Fiziki, 1957, Vol 33, Nr 7, pp 282-283 (U.S.S.R.)

ABSTRACT: The spatial and energy distribution of electron pairs and the spatial distribution of electrons are shown in form of tables. The spatial distribution of the particles of the soft components in the direction which is vertical to the axis of the shower in a distance of t = 2 can be represented by the function: $f(r) \sim r^{-1,62 \pm 0,05}$, $r = t\vartheta$. (With 2 Tables, 1 Illustration and 2 Slavic References).

ASSOCIATION: Physical Institute "P.N.LEBEDEV" of the Academy of Sciences of the U.S.S.R.) (Fizicheskiy institut im. P.N.Lebedeva Akademii nauk SSSR)

PRESENTED BY:

SUBMITTED: 2.4.1957

AVAILABLE: Library of Congress

Card 1/1

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, M. I.

AUTHOR: None Given 30-58-4-30/44

TITLE: Dissertations (Dissertatsii).
Branch of Physico-Mathematical Sciences
(Otdeleniye fiziko-matematicheskikh nauk).
July-December 1957 (Iyul'-Dekabr' 1957)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1958, Nr 4, pp. 116-116 (USSR)

ABSTRACT: 6) At the Institute for Physics imeni P. N. Lebedev (Fizicheskiy Institut imeni P. N. Lebedeva) the following dissertations were defended:
a) for the degree of a Doctor of Physico-Mathematical Sciences: B. M. Kozyrev - Experimental Investigations in the Field of Paramagnetic Resonance. (Eksperimental'nyye issledovaniya v oblasti paramagnitnogo rezonansa).
I. L. Rozental' - On Nuclear Interactions of Particles With High Energy. (O yadernom vzaimodeystvii chastits bol'shoy energii).
b) for the degree of a Candidate of Physico-Mathematical Sciences:

Card 1/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

Dissertations. Branch of Physico-Mathematical Sciences, July-December 1957 30-58-4-30/44

A. V. Antonov - Investigation of Diffusion Processes and of Neutron Retardation in Different Milieus and of the Multiplication of Neutrons in Heterogeneous Uranium-Graphite Systems by Means of the Impulse Method. (Issledovaniye protsessov diffuzii i zamedleniya neytronov v razlichnykh sredakh i mul'tiplikatsii neytronov v uran-grafitovykh geterogennykh sistemakh s pomoshch'yu impul'snogo metoda).

T. A. Sidorov - Infrared Spectra and the Structure of Some Vitrifying Oxides. (Infrakrasnyye spektry i struktura nekotorykh stekloobrazuyushchikh okislov).

M. I. Tret'yakova - Determination of the Mass of Slow Charged Particles in Photographic Plates. (Opredeleniye massy medlennykh zaryazhennykh chastits v fotoplastinkakh),

1. Physics—Bibliography 2. Bibliography—Physics

Card 2/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

56-34-4-9/60

AUTHORS: Zhdanov, G. B., Zamchalova, Ye. A., Tret'yakova, M. I., Shcherbakova, M. N.

TITLE: The Nuclear Interaction in a Photoemulsion Accompanied by a High Energy Transfer to the Electron-Photon Component (Yadernoye vzaimodeystviye v fotoemul'sii, soprovozhdayushcheyesya vysokim vydeleniyem energii v elektronno-fotonnuyu komponentu)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958, Vol. 34, Nr 4, pp. 843 - 848 (USSR)

ABSTRACT: This work exactly investigates a case of a nuclear interaction in which at a primary energy of 250 ± 250 BeV one of the neutral pions carries off an energy of ~ 200 BeV. The authors developed a nuclear interaction of the type 1 + 12 n with a very high proportion of the energy transferred to the electron-photon component in a stack of supportless photoemulsions Ilford G-5 which was exposed at a height of 25,5 km during the Italian expedition by S. F. Powell (1955). The microprojection of the shower and of the subsequent electron cascade are illustrated in a diagram. The angular distribution

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

56-34-4-9/60

The Nuclear Interaction in a Photoemulsion Accompanied by a High Energy Transfer to the Electron-Photon Component

of the penetrating particles is almost isotropic in a system with the Lorentz factor $\gamma_c = 7$. An estimate of the primary energy gives the value

$$E_0 = 250 \begin{smallmatrix} +250 \\ -125 \end{smallmatrix} \text{ BeV}.$$

This value, however, could be much lower, if the true angular distribution of the particles (in the center of mass system) differs fundamentally from a symmetrical distribution. The true value of E_0 seems to be hardly higher than 800 BeV. A table illustrates the distributions of the particles in the plane vertical to the cascade axis, found by the authors at three depths of the cascade shower (t = 1,6; 3,1 and 4,5 avalanche units). The spatial and energetic distributions of the electrons and of the pairs illustrated in 2 tables, allow an estimate of the total energy of the soft component, for which 4 methods can be used. The values thus obtained are composed in a table. Into the soft component at least 30 % of the total interaction energy are transferred. Also of interest is the considerably sharper concentration of the photons with high energy near the shower axis compared with the angular distribution of the penetrating particles.

Card 2/3

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

The Nuclear Interaction in a Photoemulsion Accompanied by a High Energy Transfer to the Electron-Photon Component 56-34-4-9/60

The authors thank R. M. Grysunov, L. V. Kruglov, M. N. Pachkov and Yu. F. Sharapov for their participation in the evaluation of the experimental data, and Professor N. A. Dobrotin and I. L. Rozental' for the discussion of the obtained results. There are 2 figures, 4 tables, and 6 references, 4 of which are Soviet.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute imeni P. N. Lebedev AS USSR)

SUBMITTED: November 26, 1957

1. Nuclear reactions---Analysis

Card 3/3

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRETYAKOVA, M. I.

ANGULAR DISTRIBUTIONS OF SECONDARY PARTICLES AT HIGH ENERGY NUCLEAR INTERACTIONS WITH HEAVY NUCLEI OF EMULSION

Jen Phyong Soo, Zhdanov G. B., Tretyakova M. I.

The authors carried out measurements of angular distributions of relativistic particles for 11 high energy "jets" ($\gamma > 10$) having $N_n > 8$ when a neutral or singly charged primary particle was available. The results were compared with predictions of the hydrodynamical theory.

In 10 cases the angular distribution agrees with the theory (criterion gives probability of agreement $P(\chi^2)$ not less than 30%) and in one case a noticable divergence ($P(\chi^2)=1,5\%$) takes place with two peaks available. In no case an azimuthal anisotropy was found out.

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

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

SOV/56-37-3-4/62

21(7)

AUTHORS: Zhdanov, G. B., Markov, P. K., Strel'tsov, V. N., Tret'yakova, M. I., Cheng P'u-ying, Shafranova, M. G.

TITLE: Secondary Stars Occurring in the Interaction of Protons With Energies of 8.7 Bev With Photographic Emulsion Nuclei

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, Vol 37, Nr 3(9), pp 611 - 615 (USSR)

ABSTRACT: In collisions between high energy nucleons and nucleons or nuclei the investigation of the energy distribution between the secondary nucleons and the pions is of special interest; Grigorov (Ref 1) found that at primary energies of between 3 and 40 Bev up to 70% of this energy is transferred, Belyakov et al (Ref 2) and Bayatyan et al (Ref 3) investigated the interaction between 9 Bev protons and photoemulsion nuclei, and determined the energy carried away by fast pions as amounting to 20-40% and those carried away by a fast nucleon as (40±20)%. It was the aim of the present paper to evaluate the energy of the fast nucleons and pions produced by the interaction of 8.7 Bev protons with photographic emulsion nuclei. An emulsion

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

Secondary Stars Occurring in the Interaction of Protons With Energies of 8.7 Bev With Photographic Emulsion Nuclei SOV/56-37-3-4/62

pile (NIKFI-R) consisting of 100 layers was irradiated on the synchrocyclotron with 8.7 Bev protons. Such stars are described as secondary, as show no track of a fast particle with an angle between 178 and 180° (with respect to the track of the primary protons) in the emulsion plane. The following results were obtained by these investigations: 1) 0.68±0.07 fast neutrons ($E_n > 500$ Mev) were found per star; their average energy was about (3.5±0.5)Bev. 2) On the assumption that the numbers of fast protons and neutrons (referred to a star) and their average energy are equal, (55±9)% of the energy of primary particles is carried away by fast nucleons. 3) The average number of fast pions ($E_\pi > 80$ Mev), including the neutral pions, amounts per interaction to 3.8±0.3. Their average total energy is (0.8±0.2)Bev. 4) An analysis of the angular distributions of the tertiary charged particles in secondary stars indicates that among the secondary particles flying away under an angle $\leq 10°$ (to the direction of the primary protons) there are about 80% nucleons. The angular distribution for neutrons and fast particles is shown by figure 3. The authors thank M. Ya. Danysh.

Card 2/3

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

Secondary Stars Occurring in the Interaction of Protons SOV/56-37-3-4/62
With Energies of 8.7 Bev With Photographic Emulsion Nuclei

M. I. Podgoretskiy and I. L. Rozental' for discussions. There are 3 figures, 1 table, and 5 references, 3 of which are Soviet.

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint Institute of Nuclear Research)

SUBMITTED: March 23, 1959

Card 3/3

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

21(7) SOV/56-37-3-6/62

AUTHORS: Zhdanov, G. B., Maksimenko, V. M., Tret'yakova, M. I., Shcherbakova, M. N.

TITLE: Nuclear Interactions of Protons With Energies of 8.7 Bev in Photographic Emulsions

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959, Vol 37, Nr 3(9), pp 620 - 633 (USSR)

ABSTRACT: The authors investigated an emulsion pile, which had been irradiated with 8.7 Bev protons at the synchrophasotron of the OIYaI (United Institute of Nuclear Research). The photographic emulsions concerned were of the NIKFI-R type, which had a thickness of 450 μ (27-30 grains/100μ). For the purpose of the present very detailed paper, about 25000 tracks with a total length of ∿ 300 m were evaluated. In chapter 1 the investigation results which make an evaluation of the inelastic interaction cross section possible are discussed and some of them are given by two tables. Table 1 contains the ranges λ for two forms of interaction: for star formation (λ = 35.0±1.3cm) and for "pure" scattering (1750±500 cm) if the scattering angle

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$>5^{\circ}$, and 750±150 cm if it is between 1 and 5°. In consideration of the degree of efficiency of recording, 500±100 cm is obtained. If in the former case all error sources are taken into account, $\lambda_{inelast} = 34 \pm 2$ cm is obtained, and the geometric total cross section of all photographic emulsion nuclei may be estimated at $\sigma_{geom} = \pi.(1.38 \cdot 10^{-13} cm)^2 A^{2/3}$. The second part of the paper deals with the distribution of stars according to the number of fast and slow particles. The number of "pure" charge exchange interactions (proton-neutron) without any considerable energy loss was low (3%, i.e. 17 among 520 stars). The distribution of stars over various kinds is shown by the diagram of figures 1-3. Chapter 3 describes results concerning the angular distribution of fast and slow particles (Figs 4-8) and the following chapter deals with the results of the analysis of angular distribution curves of the various types of stars. Several conclusions are drawn after comparing the results obtained with calculations based upon the statistical theory. Thus, conclusions are drawn as to the existence of interactions of the peripheral kind (nucleon-nucleon), as about 25% of the

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Nuclear Interactions of Protons With Energies of 8.7 Bev in Photographic Emulsions

SOV/56-37-3-6/62

interactions with emulsion nuclei with respect to angular distribution and to the average multiplicity of the production of fast particles corresponds to the nucleon-nucleon interaction (according to the statistical theory). The angular distribution of the "gray" tracks depends very weakly on the angular distribution of the fast particles and deviates somewhat from the distribution prevailing in the case of pion interaction with emulsion nuclei (E_{π}= 1.5 Bev). It may be assumed in this case that the occurrence of "gray" particles is due to a considerable extent to the secondary interaction of 1 Bev pions. From the monotonous broadening of angular distributions with growing multiplicity of fast particle production it is possible to draw conclusions as to the nature of the interaction between the primary nucleon and the nucleons in a composite nucleus. The authors finally thank Academician V. I. Veksler for making irradiation on the synchrophasotron possible and they further thank the collaborators of the OIYaI M. I. Podgoretskiy, I. M. Gramenitskiy, K. D. Tolstov, and R. M. Lebedev for discussions, the younger scientifical collaborator of the FIAN (Institute

Card 3/4

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

Nuclear Interactions of Protons With Energies of 8.7 Bev in Photographic Emulsions SOV/56-37-3-6/62

of Physics AS USSR) Ye. A. Zamchalova for her assistance, and further also Professor N. A. Dobrotin, I. L. Rozental', D. S. Chernavskiy, and N. G. Birger for their advice and discussions. There are 1o figures, 8 tables, and 11 references, 5 of which are Soviet.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Institute of Physics imeni P. N. Lebedev of the Academy of Sciences, USSR)

SUBMITTED: April 4, 1959

Card 4/4

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

L 16098-65 EWT(m) DIAAP S/0056/64/047/005/1664/1667
ACCESSION NR: AP5000310

AUTHORS: Zhdanov, G. B.; Tret'yakova, M. I.; Shcherbakova, N. M.

TITLE: Study of the fine structure of the energy spectrum of Gamma quanta produced by protons with energy 18.7 GeV from photographic emulsion nuclei

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 47, no. 5, 1964, 1664-1667

TOPIC TAGS: gamma source, pion decay, eta meson decay, two photon decay, gamma ray spectrum

ABSTRACT: The purpose of the investigation was to ascertain whether there exist an additional [illegible] nuclear interac- [illegible] this [illegible] emulsions exposed to a beam [illegible]

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ACCESSION NR: AP5000310

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interval 140--950 MeV. On the basis of a statistical sample of 222 electron-positron pairs, it is concluded that the spectrum contains no peaks [illegible] was done by various experimenters [illegible] primary particle [illegible]. There are therefore no grounds as yet for stating with any assurance that an additional mechanism of γ-quantum generation exists. [illegible]

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute, Academy of Sciences SSSR)

SUBMITTED: 18May64 ENCL: [illegible]

SUB CODE: NP NR REF SOV: 003 OTHER: 002

Card 2/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

L 05825-67 EWT(1)/EWT(m) IJP(c)

ACC NR: AP6031435 SOURCE CODE: UR/0056/66/051/002/0417/0427

AUTHOR: Galstyan, D. A.; Zhdanov, G. B.; Tret'yakova, M. I.; Shcherbakova, M. N.; Chernyavskiy, M. M.

ORG: Physics Institut, Academy of Sciences SSSR (Fizicheskiy institut Akademii nauk SSSR)

TITLE: Quasi-nucleon interactions between 24 Bev/sec protons and nuclei of a photographic emulsion in a strong magnetic field

SOURCE: Zh eksper i teor fiz, v. 51, no. 2, 1966, 417-427

TOPIC TAGS: nucleon interaction, proton, magnetic field, photographic emulsion, meson, angular distribution, spectral energy distribution

ABSTRACT: Quasi-nucleon interactions of 24 Bev/sec protons have been investigated by the method of photographic emulsion in a pulsed 180-oe magnetic field. In addition to complete information relating to all charged secondary particles (emission angle, momentum, and nature of particle), the total energy of neutral mesons was determined. The separation of peripheral and nonperipheral interactions was carried out with the aid of various criteria. The multiplicity distributions, inelasticity

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ACC NR: AP6031435

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coefficients, and angular distribution of particles have been determined for both types of interactions. Extensive fluctuations have been found in the distribution of energy between the charged and neutral mesons. An appreciable difference between the energy spectra of π^{+-} and π^{--} mesons has been determined. The results obtained indicate a large excitation probability for various nucleon isobars. The authors thank E. Dal'-Iensen [European Committee for Nuclear Research (CERN)] and E. Skzhipchak [Warsaw University] for their cooperation in obtaining samples of the photographic emulsions irradiated in a magnetic field, and V. M. Maksimenko, Yu. A. Smorodin, Ye. L. Feynberg, D. S. Chernavskiy, and I. M. Dremin for discussing the results. Orig. art. has: 8 figures and 2 tables. [Based on authors' abstract]

SUB CODE: 20/ SUBM DATE: 25Mar66/ ORIG REF: 003/ OTH REF: 004/

Card 2/2 egh

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

ZHDANOV, G.B.; TRETIYAKOVA, M.I.; SHCHERBAKOVA, M.N.

Fine structure of the energy spectrum of γ-quanta generated by 18.7 Gev. protons on photoemulsion nuclei. Zhur. eksp. i teor. fiz. 47 no.5:1664-1667 N '64. (MIRA 18:2)

1. Fizicheskiy institut imeni P.I. Lebedeva AN SSSR.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

VORONKOV, A.Ye.; SOLOV'YEVA, M.F.; SUKHOV, L.V.; TRET'YAKOVA, M.I.; CHERNYAVSKIY, M.M.

Use of a device for the automatic measurement of ionization and momentum from tracks of relativistic particles. Prib. i tekh. eksp. 9 no.4:75-77 Jl-Ag '64. (MIRA 17:12)

1. Fizicheskiy institut AN SSSR.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

ALEKSEYEVA, K.I.; ZHDANOV, G.B.; TRETIYAKOVA, M.I.; SHCHERBAKOVA, M.N.

Ionization-momentum relation for various types of particles in the relativistic region. Zhur. eksp. i teor. fiz. 44 no.6: 1864-1868 Je '63. (MIRA 16:6)

1. Fizicheskiy institut im. P.N. Lebedeva AN SSSR.
(Photography, Particle track)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

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L 13646-63 EWT(1)/BDS/ES(w)-2 AFFTC/ASD/ESD-3/SSD Pab-4
ACCESSION NR: AP3003112 S/0056/63/044/006/1864/1868

AUTHOR: Alekseyeva, K. I.; Zhdanov, G. B.; Tret'yakova, M. I.; Shcherbakova, M. N.

TITLE: Ionization-momentum relation for various particles in the relativistic region

SOURCE: Zhurnal eksper. i teor. fiziki, v. 44, no. 6, 1963, 1864-1868

TOPIC TAGS: ionization-momentum relation, relativistic particles, electrons, protons, pions

ABSTRACT: New data have been obtained on the momentum dependence of the blob density along the tracks of electrons in the 50 MeV/c -- 5 GeV/c momentum range (Ilford G-5 and NIKFI-R emulsions) and of protons and pions in the 1.5--19 and 0.3--6 GeV/c range, respectively (Ilford G-5 emulsion). The experiments were aimed at further tests on the theoretical interpretation given for this effect previously by the authors (ZhETF v. 43, 342, 1962 and Report at the Fourth Intl. Nuclear Photography Colloquium, Munich, 1962). Pellicles of both makes of emulsions were irradiated by 19.6 GeV/c protons. The pion and proton tracks were selected from stars produced by primary protons on the emulsion nuclei, while the

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

L 13646-63
ACCESSION NR: AP3003112

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electron tracks were selected from electron-positron pairs produced by photons from pion decay in the same interactions. The results confirm the conclusion previously arrived at by the authors that for momenta larger than 200 mc sup 2 a drop is observed in the ionization-momentum curve instead of the plateau predicted by the earlier theory. This drop is in agreement with calculations that take radiative corrections into account. "In conclusion the authors would like to thank Dr. W. Lock and Dr. J. Combe for help in obtaining irradiated emulsions from CERN, and laboratory assistants A. S. Kolyedin, L. A. Krupetskov, N. A. Soholev, and M. V. Tyurin who carried out the main part of the measurements on the particle tracks." Orig. art. has: 4 figures.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute Academy of Sciences, SSSR)

SUBMITTED: 26Jan63 DATE ACQ: 23Jul63 ENCL: 00

SUB CODE: 00 NO REF SOV: 003 OTHER: 004

Card 2/2

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

ALEKSEYEVA, K.I.; GABUNIYA, L.L.; DEN PKHEN SU; ZHDANOV, G.B.; TRET'YAKOVA, M.I.

Rare case of high-energy nuclear interaction with isotropic angular distribution of the secondary particles. Zhur. eksp. i teor. fiz. 43 no.3:783-789 '62. (MIRA 15:10)

1. Fizicheskiy institut imeni P.N.Lebedeva AN SSSR.
(Nuclear reactions) (Photography, Particle track)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

ZHDANOV, G.B.; TRET'YAKOVA, M.I.; TSYTOVICH, V.N.; SHCHERBAKOVA, M.N.

Ionization loss of ultrarelativistic electrons. Zhur. eksp. i teor. fiz. 43 no.1:342-345 Jl '62. (MIRA 15:9)
(Electrons) (Ionization)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

ALEKSEYEVA, K.I.; GABUNIYA, L.L.; ZHDANOV, G.B.; ZAMCHALOVA, Ye.A.; SHCHERBAKOVA, M.N.; TRET'YAKOVA, M.I.

Study of the composition of the primary cosmic radiation at an altitude of 320 km. Isk.sput.Zem. no.12:6-15 '62.

(MIRA 15:8)

(Cosmic rays)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

ALEKSEYEVA, K.I.; GABUNIYA, L.L.; DEN PKHEN SU; ZHDANOV, G.B.; TRET'YAKOVA, M.I.

Case of a high energy nuclear interaction with an isotropic angular distribution. Izv.AN SSSR.Ser.fiz. 26 no.5:572-574 Ap '62. (MIRA 15:5)

(Collisions (Nuclear physics)) (Cosmic rays)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

S/056/62/043/003/008/063
B125/B102

AUTHORS: Alekseyeva, K. I., Gabuniya, L. L., Den Pkhen Su, Zhdanov, G. B., Tret'yakova, M. I.

TITLE: A rare case of high-energy nuclear interaction with isotropic angular distribution of the secondary particles

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43, no. 3(9), 1962, 783 - 789

TEXT: A nuclear interaction of the type 2+3+40 p with an emission angle of the secondary particles $\simeq 0.8^{\circ}$ was observed in a small pile of photographic emulsions, type НИКФИ-Р (NIKFI-R). In 1959 this pile had been irradiated for about 150 hrs at a height of ~ 10 km. In a coordinate system with the Lorentz factor $\gamma_c = 65$, the angular distribution of the secondary particles was isotropic (c.m.s.). The coefficient of inelasticity is $\sim 20\%$ referred to the coordinate system moving along with the primary particles. This event can be explained as follows: (1) the primary particle, which is a proton of $\sim 10^{12}$ ev, interacts as a whole with a virtual meson of one of the nucleons in the target nucleus. The coefficient

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of inelasticity in the laboratory system is $K_{lab} = 1$. (2) The primary particle, a pion of $\sim 10^{12}$ ev, enters into peripheral interaction with a target nucleon, for which $K_{lab} = 1$. (3) The primary particle, a proton of $\sim 10^{13}$ ev, collides with $K_{lab} \sim 0.2$. In order to separate high-energy nucleon-nucleon interactions in a photographic emulsion, events of low multiplicity and low coefficients of inelasticity are preferably chosen. For this reason, the conclusions drawn from photographic emulsions as to energy dependence of multiplicity and anisotropy in NN-interactions are not reliable. There are 3 figures and 2 tables.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute imeni P. N. Lebedev of the Academy of Sciences USSR)

SUBMITTED: March 31, 1962

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

emulsion (AgBr) ξ^{-1} is between 100 and 200 and the radiation correction reaches 8-10%. The relative track densities, measured in НИКФИ-Р (NIKFI-R) emulsions and for 8.7-Bev protons (OIYaI) and Ilford G-5 and 19-Bev protons (CERN) as dependent on $\varepsilon_p/mc^2 \gg 1/\xi$, are compared with theoretical curves both with and without radiation correction. The uncorrected agrees satisfactorily with the experimental data. There are 2 figures.

SUBMITTED: May 12, 1962

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

BOGOMOLOV, K.S., red.; PERFILOV, N.A., red.; BELOVITSKIY, G.Ye., red.; DOBROSERDOVA, Ye.P., red.; ZHDANOV, G.B., red.; KARTUZHANSKIY, A.L., red.; LYUBOMILOV, S.I., red.; MINERVINA, Z.V., red.; RAZORENOVA, I.F., red.; ROMANOVSKAYA, K.M., red.; SAMOYLOVICH, D.M., red.; STARININ, K.V., red.; TRET'YAKOVA, M.I., red.; UVAROVA, V.M., red.; SHUR, L.I., red.; POPOVA, A.K., red.; VEPRIK, Ya.M., red.; VERES, L.F., red. izd-va; KUZNETSOVA, Ye.B., red. izd-va; POLYAKOVA, T.V., tekhn. red.

[Nuclear photography; transactions] IAdernaia fotografiia; trudy tret'ego Mezhdunarodnogo soveshchaniia. Moskva, Izd-vo Akad. nauk SSSR, 1962. 474 p. (MIRA 15:6)

1. Colloque International de Photographie Corpusculaire. 3d, Moscow, 1960. 2. Nauchno-issledovatel'skiy kinofotoinstitut, Moskva (for Bogomolov, Uvarova, Romanovskaya, Starinin). 3. Predsedatel' Organizatsionnogo komiteta Tret'yego Mezhdunarodnogo soveshchaniya po yadernoy fotografii. 1960, Moskva (for Bogomolov). 4. Zamestitel' predsedatelya Organizatsionnogo komiteta Tre'yego Mezhdunarodnogo soveshchaniya po yadernoy fotografii. 1960, Moskva (for Perfilov). 5. Radiyevyy institut im. V.G.Khlopina Akademii nauk, Leningrad (for Shur, Perfilov). 6. Institut sovetskoy torgovli im. F.Engel'sa (for Kartuzhanskiy). 7. Ob"yedinennyy institut yadernykh issledovaniy, Dubna (for Lyubomilov). 8. Institut atomnoy energii im. I.V.Kurchatova Akademii nauk SSSR, Moskva (for Samoylovich).

(Photography, Particle track)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

ALEKSEYEVA, K. I. ZHDANOV, G. B., TRETYAKOVA, M. I., TSYTOVICH, V. N., and SHCHERBAKOVA, M. N.

"Ionization momentum dependence for electrons in the ultra-relativistic region"

Fourth International Colloquium on Photography (Corpuscular) - Munich, West Germany, 3-8 Sep 62

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

37540

S/048/62/026/005/003/022
B102/B104

24 5700

AUTHORS: Alekseyeva, K. I., Gabuniya, L. L., Den Pkhen Su, Zhdanov, G. B., and Tret'yakova, M. I.

TITLE: High-energy nuclear interaction events with isotropic angular distribution

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 26, no. 5, 1962, 572 - 574

TEXT: A 2+3+40p-type nuclear interaction was observed with an НИКФИ-Р (NIKFI-R) photoemulsion (1 liter) which had been exposed for ~150 hrs at an altitude of ~10 km. The angular distributions were determined in plane and spatial geometry. As functions of log tan θ, they were S-curves, somewhat steeper than the calculated isotropic distribution but fitting the curve calculated on the assumption of an energy spectrum of the form $p^2(1+p^2)^{-2}$. Agreement is best if the shower axis is assumed to coincide with the primary-particle direction. The tail of 2-3 particles is attributed to secondary nuclear processes. The isotropy of the angular distribution is indicative of an interaction of the incoming nucleon with

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several nucleons of the hit nucleus. The total amount of released energy was calculated from the mean transverse particle momentum (0.4 Bev/c) and from the ratio of neutral to charged particles (1.5), and was found to be $2 \cdot 10^{12}$ ev in the laboratory system, and not less than 25 Bev in the system of the "excited nucleus". If the latter coincides with the c.m.s. of the colliding nucleons, inelasticity in the l.s. equals K = 25%. There are 3 figures.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRETYAKOVA, M.I., ALEKSEYEVA, K.I., GAMUNIYA, L.L., ZHDANOV, G.B., ZAMCHALOVA, E.V., and SHCHEREAKOVA, M.I.,

"Study of Composition of Primary Cosmic Radiation at an Altitude of 320 Kilometers,"

report presented at the Intl. Conference on Cosmic Rays and Earth Storms, Kyoto, Japan, 4-15 Sept 1961.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRETYAKOVA, M.I., ALEKSEYEVA, K.I., GABUNIA, L.L., ZHDANOV, G.B.,

"High Energy Nuclear Interaction with Isotropic Distribution of Generated Particles,"

report presented at the Intl. Conference on Cosmic Rays and Earth Storms, Kyoto, Japan, 4-15 Sept 1961.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRETYAKOVA, S. A., SHESTOPEROV, V. YA., BABAYAN, KH. P., BUYA, Z. A.,

MASSALSKIY, YE. I., Grigorov, N. L., Bayadjan, N. Y., Babezki, V. S.,

Loskevicz, J., Dles, A., Murzin, V. S.

"Mountain-Altitude Studies of the Interaction of High-Energy Particles with Atomic Nuclei."

report submitted for the Intl. Conf. on Cosmic Rays and Earth Storm (IUPAP) Kyoto, Japan 4-15 Sept. 1961.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

STUDNITSIN, A.A; TRET'YAKOVA, M.M.

Study of penicillin level in the body. Vest. vener. no.5:29-32 Sept-Oct 1950. (CIML 20:1)

1. Of the Clinic for Skin and Venereal Diseases (Head -- N. S. Vedrov, Corresponding Member of the Academy of Medical Sciences USSR, deceased), Moscow Medical Institute of the Ministry of Public Health RSFSR.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

Use of tallol in soap making. A. Lomanovich and N. Tret'yakova. *Maslobolno Zhirovoe Delo* 10, No. 12, 39-41(1934); *Chimie & industrie* 34, 643. The foaming and emulsifying powers of soaps made with purified tall oil are always higher than those of soaps prepd. from crude tall oil. The foaming power of soaps made from purified tall oil is not lower than that of pure fat soaps and their emulsifying power also is satisfactory. Soaps prepd. from a mixt. of hydrogenated fats and tall oil have a higher detergent power than all-fat soaps. Liquid soaps prepd. exclusively from purified tall oil are perfectly satisfactory, those from crude tall oil have too low an emulsifying power. In practice, 25% of tall oil (on the wt. of the total fat) preferably refined can be incorporated in household soaps. For toilet soaps, only refined tall oil can be used: about 12% based on the wt. of the fat should be used. The soap thus obtained has a satisfactory consistency and has no particular odor.

A. Papineau-Couture

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

OSOVETSKAYA, TSilya Moiseyevna; GAFUROV, Kadyr Khasanovich; DETENGOF, F.F., prof., zasl. deyatel' nauki Uzbekskoy SSR; TRET'YAKOVA, N., red.; AGZAMOV, K., tekhn. red.

[Occupational therapy and the cardiovascular system in mental illnesses with a chronic course]Trudoterapiia i serdechno-sosudistaia sistema pri psikhicheskikh zabolevaniiakh s khronicheskim techeniem. Tashkent, Medgiz UzSSR, 1962. 108 p. (MIRA 16:3)

(OCCUPATIONAL THERAPY) (MENTAL ILLNESS)
(CARDIOVASCULAR SYSTEM)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

LEVIN, G.S.; TILIS, A.Yu.; TRET'YAKOVA, N., red.; AGZAMOV, K., tekhn. red.

[Blood and blood substitutes in the struggle for human life] Krov' i krovezameniteli v bor'be za zhizn' cheloveka. Tashkent, Medgiz UzSSR, 1962. 55 p.

(MIRA 16:11)

(BLOOD--TRANSFUSION)
(BLOOD PLASMA SUBSTITUTES)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

New methods of washing wool and woolen and semi-woolen fabrics. A. M. Serebryakov, N. A. Tretyakova and F. I. Kagan. *Sherstyanoe Delo* 1936, Nr. 3, 22-8. Sixty-eight combinations of washing agents were studied from point of view of the stability of their solns. in relation to hard water and of peptization ability. Saponin, soap solns. treated with 10% of saponin, and naphthene soap are stable toward hard water. Saponin in a concn. as low as 0.01% emulsifies well and washes out the natural grease of wool, alone and when added to soda solns. but not in soap solns. For wool soiled with oleic acid in mineral oil, the action of saponin is less satisfactory. White "agaricus" also emulsifies wool grease, but is not satisfactory for use on a factory scale. Factory expts. with saponin gave good results. To remove soiling greasy substances, woolen goods were treated in an electrolyzer in a soln. of weak alkali, for a few hrs., but without success. H. V. Shvartsberg

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

1. TRETYAKOVA, NA

2. USSR (600)

4. Suppuration

7. Suppurative diseases among workers in poultry incubation stations. Ptitsevodstvo no. 5, 1952

9. Monthly List of Russian Accessions, Library of Congress, February, 1953. Unclassified.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

FREYYAKOVA, N. I.

"Absorption, Distribution, and Expulsion of Strontium-90 during the Injection of some Neurotropic Agents." Caffeine, tetamon, and dehydro-ergothamine had a more effective influence on strontium-90 dynamics than a variety of other agents studied.

candidate dissertation listed in Meditsinskaya radiologiya, no. 7, 1964. The article did not state specifically what degree was awarded. The annotated titles deal with studies on radiation physiology, radiation biochemistry, combined trauma and the influence of radiation on regenerative processes, radiation microbiology and immunology, and radiation pharmacology.

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, N. I.

Cand Biol Sci - (diss) "Absorption, distribution, and liberation of strontium-90 upon the introduction of several neurotropic substances." Moscow, 1961. 15 pp; (Academy of Medical Sciences USSR); 250 copies; price not given; (KL, 5-61 sup, 185)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

BYKHOVSKIY, M.L.; BADULIN, S.S.; MOROZOV, K.K.; SOIBNEV, A.V.; TRET'YAKOVA, N.I.

Investigating the precision of discriminators. Nauch. dokl. vys. shkoly; mash. i prib. no.2:201-220 '59. (MIRA 12:12)
(Radio frequency modulation)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

SOV/159-58-3-27/31

9(2)

AUTHORS: Bykhovskiy, M.L., Badulin, S.S., Morozov, K.K., Sgibnev, A.V. and Tret'yakova, N.I.

TITLE: An Investigation of the Accuracy of Intermediate Frequency Amplifiers

PERIODICAL: Nauchnyye doklady vysshey shkoly, Mashinostroyeniye i priborostroyeniye, 1958, Nr 3, pp 190-196 (USSR)

ABSTRACT: This is Part II of a paper of which Part I was published in the preceding number of subject periodical. In this part, the authors present the experimental determination of influence coefficients by the method of converted circuits. Figure 1 shows two graphs of the IF amplifier of the TV set "Start". Figure 2 shows the apparatus used for the experimental determination of the influence coefficients, consisting of a tube voltmeter LB-9, generator GSS-6 and oscillograph EO-7 for determing the phase by means of Lissajou figures. The final chapter is devoted to methods of adjusting and tuning IF amplifier stages. The authors then summarize the results of their investigations:

Card 1/3

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

SOV/159-58-3-27/31

An Investigation of the Accuracy of Internediate Frequency Amplifiers

1) The basic conceptions were formulated for obtaining formulae for calculating the accuracy of intermediate frequency amplifiers, especially for determining the error in the amplitude-frequency characteristic, the irregularity error of the amplification factor and the phase errors of amplifiers; 2) Experimental methods for investigating and calculating of the IF amplifier accuracy; 3) Graphs were presented for influence coefficients; 4) The accuracy of amplifiers was analyzed; 5) Methods for tuning IF amplifiers were developed and equations were obtained describing the tuning processes. The theory developed in this paper and the methods are illustrated by typified IF amplifier networks. For other networks, the calculation results and the analyses will be different. However, the formulae explained in this paper may be used in an analoguous manner without great difficulty for other networks, for example, amplifier stages

Card 2/3

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"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

SOV/159-58-3-27/31

An Investigation of the Accuracy of Intermediate Frequency Amplifiers

with grounded grids, etc. There are 1 photograph, 2 graphs and 1 table.
This article was presented by the Kafedra "M-1" Moskovskogo vysshego tekhnicheskogo uchilishcha imeni Baumana (Chair "M-1" of the Moscow Higher Technical School imeni Bauman)

SUBMITTED: February 7, 1958

Card 3/3

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

SMETANIN, Nikolay Ivanovich; SOSNOVSKIY, Serafim Il'ich; YUSUPOV, Karim Yusupovich; TRET'YAKOVA, N.M., red.; TSAY, A.A., tekhn. red.

[Work hygiene and occupational diseases in various types of industry in Uzbekistan] Gigiena truda i professional'nye zabolevaniia v otdel'nykh vidakh promyshlennosti Uzbekistana. Tashkent, Medgiz UzSSR, 1962. 128 p. (MIRA 16:7)
(UZBEKISTAN--INDUSTRIAL HYGIENE)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

KOGAN, A.A., prof.; TRET'YAKOVA, N.M., red.; TSAY, A.A., tekhn. red.

[Hygiene of pregnancy and the postnatal period] Gigiena beremennosti i poslerodovogo perioda. Tashkent, Medgiz, UzSSR, 1963. 39 p. (MIRA 17:1)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

EYDLIN, Lazar' Mendeleyevich, prof.; TRET'YAKOVA, N.M., red.; TSAY, A.A., tekhn. red.

[Gunshot lesions; medical and criminological diagnosis and evaluation] Ognestrel'nye povrezhdeniia; vrachebnoe i kriminalisticheskoe raspoznavanie i otsenka. 2-e izd., dop. i pererab. Tashkent, Medgiz, UzSSR, 1963. 330 p. (MIRA 17:1)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

ISMAILOV, M.N., kand. med. nauk; TRET'YAKOVA, N.M., red.; AGZAMOV, K., tekhn. red.

[Nutritional value of cottonseed oil] Pitatel'naia tsennost' khlopkovogo masla. Tashkent, Medgiz UzSSR, 1963. 19 p. (MIRA 17:1)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

SOFIYEV, M.S., prof.; TRET'YAKOVA, N.M., red.; TSAY, A.A., tekhn. red.

[Toxoplasmosis in man] Toksoplazmoz cheloveka. Tashkent, Medgiz UzSSR, 1963. 15 p. (MIRA 17:1)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

NADZHMIDDINOV, Tursun Khodzhayevich, zasl. deyatel' nauki Uzb.SSR, prof.; TRET'YAKOVA, N.M., red.; AGZAMOV, K., tekhn. red.

[Leishmaniases and their control] Leishmaniozy i bor'ba s nimi. Tashkent, Medgiz UzSSR, 1963. 14 p. (MIRA 17:1)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, N.Ya., dotsent, kand. tekhn. nauk; POLETAYEVA, G.B., inzh.

Effect of the new method of wefting on the quality of the manufactured fabrics. Tekst. prom. 23 no.10:69-73 O '63. (MIRA 17:1)

1. Vsesoyuznyy zaochnyy institut tekstil'noy i legkoy promyshlennosti (VZITLP) (for Tret'yakova). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut legkogo i tekstil'nogo mashinostroyeniya (VNIILTekmash) (for Poletayeva).

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, N.Ya. (Moskva)

Effect of the elasticity of fabrics on the shape retaining of garments during their wear. Shvein. prom. no.4:27-29 Jl-Ag '65. (MIRA 18:9)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, N.Ya.; BEREZINA, O.Ya. (Moskva)

Reviews. Shvein. prom. no.4:37 Jl-Ag '65. (MIRA 18:9)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, N.Ya., dotsent, kand.tekhn.nauk; POLETAYEVA, G.B., inzh.

Effect of the new methods for inserting the filling on the quality of the obtained fabrics. Tekst.prom. 23 no.11:57-59 N '63. (MIRA 17:1)

1. Vsesoyuznyy zaochnyy institut tekstil'noy i legkoy promyshlennosti (for Tret'yakova). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut legkogo i tekstil'nogo mashinostroyeniya (for Poletayeva).

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, N.Ya., kand. tekhn. nauk

Methodology for determining the components of the deformation resulting from a single fabric stretch. Nauch.-issl. trudy TSNIIShveiproma no.12:29-41 '63. (MIRA 17:9)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

"APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0

TRET'YAKOVA, N.Ya., kand. tekhn. nauk.

Causes for shrinking of staple viscose fabrics. Izv.vys.ucheb.zav.; tekh.leg. prom. no.4:122-128 '58. (MIRA 11:12)

1.Vsesoyuznyy zaochnyy institut tekstil'noy i legkoy promyshlennosti.
(Synthetic fabrics--Testing)

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001756610005-0"

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TRET'YAKOVA, N.Ya., kand.tekhn.nauk

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