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Research Institute of Physics

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Researcher

Language skills

English Русский

Publications

Article

Low-pressure multi-wire proportional chamber-based fission-fragment sensitive detection system: application in nuclear forensic analysis

A.R. Balabekyan, G.H. Hovhannisyanyan, S.V. Gaginyan, G.M. Ayvazyan, H.G. Zohrabyan, V.H. Kakoyan,

A.T. Margaryan

European Physical Journal: Special Topics 2025 123504

Article

Investigation of photonuclear reactions on isotopes ^{51}V , ^{nat}Cu , ^{nat}Mo , ^{115}In and ^{207}Pb at photon energy $E_{\text{max}} = 20\text{--}70\text{ MeV}$

A.R. Balabekyan, S. Gaginyan, A. Aleksanyan, S. Amirkhanyan, L. Poghosyan, N.A. Demekhina, G. Avdalyan

Radiation Physics and Chemistry 2023 110651

Article

Comparative Analysis of Theoretical and Experimental Interaction Cross-Sections of Deuteron and Enriched Lead ^{204}Pb , ^{206}Pb , ^{207}Pb , and ^{208}Pb

S. Gaginyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2023 pp. 112–116

Article

ЭКСПЕРИМЕНТАЛЬНАЯ УСТАНОВКА НА ОСНОВЕ LPMWPC И SSD ДЕТЕКТОРОВ ДЛЯ РЕГИСТРАЦИИ И ИДЕНТИФИКАЦИИ АЛЬФА-ЧАСТИЦ И ОСКОЛКОВ ДЕЛЕНИЯ

А.Р. БАЛАБЕКЯН, Г.О. ОГАНЕСЯН, С.В. ГАГИНЯН, Г. М. АЙВАЗЯН, Г.Г. ЗОГРАБЯН, В.О. ХАЧАТРЯН,

Г.С. ВАРТАНЯН, А. Т. МАРГАРЯН

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2023 503-508

Article

Experimental Installation Based on LPMWPC and SSD Detectors for Registration and Identification of Alpha Particles and Fission Fragments

A.R. Balabekyan, G. H. Hovhannisyanyan, S.V. Gaginyan, G. M. Ayvazyan, H. G. Zohrabyan, H. S. Vardanyan,

V. H. Khachatryan, A. T. Margaryan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2023 321–325

Article

Spallation reactions induced by 4.4 GeV deuterons on lead isotopes

S V Gaginyan, A R Balabekyan, G S Karapetyan, N A Demekhina, J R Drnoyan, V I Zhemenik, J Adam, L Zavorka, A A Solnyshkin, V M Tsoupko-Sitnikov, J Khushvaktov, V Pronskikh, V M Zhamkochyan, V Guimarães, A Deppman
Journal of Physics G: Nuclear and Particle Physics 2019 095103(1-23)

Article

Fragment production in proton-induced reaction on ²⁰⁹Bi target at intermediate energy range

A. R. Balabekyan, G. S. Karapetyan, E. Andrade-II, A. Deppman, S. V. Gaginyan, E. Melyan, J. R. Drnoyan, V. I. Zhemenik, J. Adam, L. Zavorka, A. A. Solnyshkin, V. M. Tsoupko-Sitnikov, J. Khushvaktov, E. B. Hernández
Physical Review C 2019 024616(1-9)

Article

Isotopic Dependence of Fragment Production Cross Sections in the Reactions of Deuterons on Enriched Lead and Tin Isotopes

A. R. Balabekyan, G. Karapetyan, N. A. Demekhina, S. V. Gaginyan, D.R.Drnoyan, V. I. Zhemenik, J.Adam, L.Zavorka, A. A. Solnyshkin, V. M. Tsoupko-Sitnikov, J. Khushvaktov
Physics of Atomic Nuclei 2018 804-809

Article

МЕТОД НАВЕДЕННОЙ АКТИВНОСТИ ДЛЯ ИССЛЕДОВАНИЯ ЯДЕРНЫХ РЕАКЦИЙ НА ИЗОТОПАХ Pb И Sn

А.Р. БАЛАБЕКЯН, С.В. ГАГИНЯН, Дж.Р. ДРНОЯН

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2016 291-299
<http://www.flib.sci.am/eng/Fizika/Frame.html>

Conference

NUCLEAR REACTIONS OF DEUTERONS WITH SEPARATED LEAD ISOTOPES AT 2.2 GEV/NUCLEON ENERGIES

A.R. Balabekyan, S.V.Gaginyan, N.A.Demekhina, G.S.Karapetyan

Conference

ՃԱՆՐ ՄԻՋՈՒԿՆԵՐԻ ԻՆՔՆԱԿԱՄ ԵՎ ՀԱՐԿԱԴՐԱԿԱՆ ԲԱԺԱՆՄԱՆ ՀԱՉՎԱԳՅՈՒՏ ՊՐՈՑԵՍՆԵՐ

Բալաբեկյան Ա.Ր., Հովհաննիսյան Գ.Հ., Գագինյան Ս.Վ., Չոիրաբյան Հ.Գ., Խաչատրյան Պ.Ա

Conference

Determination of photoneutron production from different targets irradiated by electron beam

Melyan E., Katovsky K., Kral D., Zeman M., Svoboda J., Balabekyan A., Gaginyan S., Poghosyan L., Marukyan H., Manukyan A.

Conference

Reaction rates determination for activation detectors in neutron spectrum generated by 70 MeV electrons

Zeman, M., Holomb, R., Katovsky, K., Kral, D., Melyan, E., Stastny, O., Svoboda, J., Balabekyan, A., Gaginyan, S., Haysak, I.
