

# Susanna Vardan Gaginyan

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## Research Institute of Physics

International Center for Advanced Studies

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 $^{51}\text{V}$ , $^{nat}\text{Cu}$ , $^{nat}\text{Mo}$ , $^{115}\text{In}$ and $^{207}\text{Pb}$ 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 $^{204}\text{Pb}$ , $^{206}\text{Pb}$ , $^{207}\text{Pb}$ , and $^{208}\text{Pb}$**

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)

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*Article*

**Fragment production in proton-induced reaction on <sup>209</sup>Bi 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)

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*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

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*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>

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*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

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*Conference*

**ՃԱՆՐ ՄԻՋՈՒԿՆԵՐԻ ԻՆՔՆԱԿԱՄ ԵՎ ՀԱՐԿԱԴՐԱԿԱՆ ԲԱԺԱՆՄԱՆ ՀԱՉՎԱԳՅՈՒՏ ՊՐՈՑԵՍՆԵՐ**  
Բալաբեկյան Ա.Ր., Հովհաննիսյան Գ.Հ., Գագինյան Ս.Վ., Չոիրաբյան Հ.Գ., Խաչատրյան Պ.Ա

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*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.

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*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.

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