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#### Kişisel Bilgiler

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## Makaleler (YOKSIS)

1 A Novel Method of Analyzing a Reaction Using the Data from Particle and Gamma-ray Detectors

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European Journal of Science and Technology, http://dx.doi.org/10.31590/ejosat.997947

2 Analysis of ionizing charged-particle shielding and range: compilation for space exploration, medical physics, and nuclear safety

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The European Physical Journal Plus, 10.1140/epjp/s13360-025-06345-6

3 Assessment of Environmental Radioactivity and Health Hazard in Soil, Water, and Stone Samples in Siverek Town of Sanliurfa Province in Southeastern Turkey

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Procedia Computer Science

(Elsevier), https://www.sciencedirect.com/science/article/pii/S1877050919311937?via3Dihub

4 Case Study of 137Cs: Optimizing Counting Conditions with Different Background Region Width Selection

ÇELİK İLKER CAN, Dağlı Kadir

European Journal of Science and Technology, https://dergipark.org.tr/en/download/article-file/2391692

5 Case study of Er- and Dy-doped Boron-Aluminosilicate Glasses on Radiation Shielding Performance in the Energy Range 0.015-10 MeV with MCNP6.2

ÇELİK İLKER CAN,KAMIŞLIOĞLU MİRAÇ,YORULMAZ NURİ,YAŞAR MEHMET MURAT,DURGUN MUSTAFA

Radiation Physics and

Chemistry, https://www.sciencedirect.com/science/article/pii/S0969806X24000434?dgcid=author

6 Determination of Gamma-Ray Abundance in Photopeaks with Analytic and Numeric Approaches via CERN's ROOT Analysis Framework

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European Journal of Science and Technology, https://dergipark.org.tr/en/download/article-file/2391730

# 7 Experimental study of high-lying states in Mg28 using the resonant elastic scattering of alpha particles

Joseph Walshe,martin freer,Wheldon C.,Soylu A.,Achouri N.L.,Ashwood N.I.,Catford W.N.,ÇELİK İLKER CAN,Curtis N.,Delaunay F.,Fernandez-Dominguez B.,Grassi L.,Kokalova Tz.,Marques F.M.,Orr N.A.,Prepolec L.,Scuderi V.,Soic N.,Tokic V.

Physical Review C,https://link.aps.org/doi/10.1103/PhysRevC.94.054304

### 8 Gamma-ray angular distribution analysis of transfer reaction data for excited states of 26Na

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AIP Conference Proceedings, https://doi.org/10.1063/1.5135453

# 9 Investigating Single-Particle Structure in 26Na Using the New SHARC Array

Wilson G. L., Watford W. N., Diget C. Aa., Orr N.A., Matta Adrien, Hackman G., Williams S.J., Simpson E.C., ÇELİK İLKER CAN, Achouri N.L., Adsley p., Al-Falou h., Ashley R., Austin R.A.E., Ball G.C., Blackmon J.C., Boston A.J., Boston H.C., Brown S.M., Cross D.S., Djongolov M., Drake T.E., Hager U., Fox S.P., Fulton B.R., Galinski N., Garnsworthy A.B., Jamieson D., Kanungo R., Leach K., Orce J.N., Pearson C.J., Porter-Peden M., Sarazin F., Sjue S., Smalley D., Sumithrarachchi C., Triambak S., Unsworth C., Wadsworth R.

JPS Conference Proceedings, https://journals.jps.jp/doi/10.7566/JPSCP.6.020004

#### 10 Shell evolution approaching the N = 20 island of inversion: Structure of 26 Na

Wilson G.L., Catford Wilton, Orr Nigel, Matta Adrien, ÇELİK İLKER CAN, Hackman G., Williams S.J., Achouri N.L., Al Falou H., Ashley R., Austin R.A.E., Ball G.C., Blackmon J.C., Boston A.J., Brown S.M., Cross D.S., Djongolov M., Drake T.E., Hager U., Fox S.P, Fulton B.R., Galinski N., Garnsworthy A.B., Jamieson D., Kanungo R., Diget C. Aa., Leach K.G., Orce J.N., Pearson C.J., Porter-Peden M., Sarazin F., Simpson E.C., Sjue S., Smalley D., Sumithrarachchi C., Triambak S., Unsworth C., Unsworth R.

Physics Letters B,http://linkinghub.elsevier.com/retrieve/pii/S0370269316302489

#### 11 Signal processing in gamma-ray spectroscopy

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AIP conference proceedings,https://pubs.aip.org/aip/acp/article-abstract/2872/1/060014/2913567/Signal-processing-in-gamma-ray-spectroscopy?redirectedFrom=fulltext

# 12 Structure of 26Na via a Novel Technique Using (d,p gamma) with a Radioactive 25Na Beam

Catford WN,ÇELİK İLKER CAN,Wilson GL,Adrien Matta,Orr NA,Diget C.Aa.,Adsley P.,Al-Falou H.,Ashley R.,Austin R.A.E.,Ball G.C.,Blackmon J.C.,Boston A.J.,Boston H.C.,Brown S.M.,Cross D.S.,Djongolov M.,Drake T.E.,Hager U.,Fox S.P.,Fulton B.R.,Galinski N.,Garnsworthy A.B.,Hackman G.,Jamieson D.,Kanungo R.,Leach K.,Martin J-P.,Orce J.N.,Pearson C.J.,Porter-Peden M.,Sarazin F.,Sjue S.,Sumithrarachchi C.,Svensson C.E.,Triambak S.,Unsworth C.,Wadsworth R.,Williams S.J.

Acta Physica Polonica B,http://www.actaphys.uj.edu.pl/vol46/abs/v46p0527

#### 13 The extended energy regime of 26Na via transfer reaction in inverse kinematics

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AIP conference proceedings, https://pubs.aip.org/aip/acp/article-abstract/2178/1/030054/772990/The-extended-energy-regime-of-26Na-via-transfer?redirectedFrom=fulltext

#### 14 The thick target inverse kinematics technique with a large acceptance silicon detector array

ÇELİK İLKER CAN, Walshe J., Freer M., Wheldon C., Achouri L.N., Ashwood N.I., Catford W.N., Curtis N., Delaunay F., Fernandez-Dominguez B., Grassi L, Kokalova TZ., Marques M., Orr N.A., Prepolec L., Scuderi V., Soic N., Tokic V.

Journal of Physics: Conference Series, https://iopscience.iop.org/article/10.1088/1742-6596/569/1/012052

# 15 The Usage of ROOT in Analyzing Gamma-rays with Covell and Total Peak Area Methods ÇELİK İLKER CAN

European Journal of Science and Technology, http://dx.doi.org/10.31590/ejosat.997976

# **Bildiriler (YOKSIS)**

1 Determination of Natural Radioactivity for Agricultural Products in The Karaali Region of Sanlıurfa Province

YORULMAZ NURİ, YAŞAR MEHMET MURAT, KOŞAL MEHMET, ÇELİK İLKER CAN

- 1. Harran Uluslararası Multidisipliner Çalışmalar Kongresi,
- 2 Spectroscopic Studies of the N=16/N=20/N=28 Shell Gaps via (d,p) Transfer

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Heavy Ion Accelerator Symposium for Fundamental and Applied Research, 14th-18th September 2015, https://inis.iaea.org/search/search.aspx?orig\_q=RN:51060743