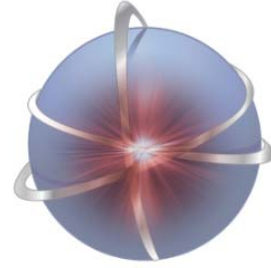




TESNAT 2016

28-30 April 2016 Mustafa Kemal University, Hatay, Turkey

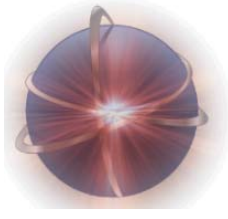
International Conference on
Theoretical and
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Studies in
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Abstract Book

Editors

Eyyup TEL, Abdullah KAPLAN, Bayram DEMİR



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Dear Colleagues,

Welcome to the International Conference on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT 2016). This conference is the second step of the TASNAT Conference series. TASNAT 2015 was held in Osmaniye Korkut Ata University with 177 participants. 38 oral and 77 poster presentations had been given last year. The world of nuclear physics is an exciting area in which to work, and we'll continue to meet and bring inspired people together in conference like this, to ensure TASNAT remains at the cutting edge.

We intend in this conference to discuss and compare all applicable methods as are being applied at present in nuclear physics. The problems faced in these fields at present are focused in the development of new methods and in the improving of existing techniques to achieve an understanding of existing experimental data and in predicting with high reliability new properties and processes. We propose this conference as a mean to bring together all these related communities with the goal of creating an enriching dialog across the disciplines. The conference will give an overview on the theoretical and experimental challenges in nuclear physics and applications.

We'd like to thank each of you for attending our conference and bringing your expertise to our gathering. You are truly our greatest asset today and tomorrow, and we could not accomplish what we do without your support and leadership.

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Radioecological Analysis of Ünye Soil Samples

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In this study, the level of radioactivity concentrations were determined from the naturally occurring radionuclides ²²⁶Ra, ²³²Th and ⁴⁰K in 5 soil samples collected from Ünye (Ordu, Turkey) using γ -ray spectrometry. Samples of soil were collected in their natural form and they were dried at 105°C for eight hours and then were counted any chemical pre-treatment. The mean activity concentrations of ²²⁶Ra, ²³²Th, and ⁴⁰K is 26.44±1.98, 40.86±4.68 and 379.78±10.72 Bq.kg⁻¹ respectively are derived from all the soil samples studied.

*This work was supported by Research Fund of Çukurova University (Project Number: FBA-2015-3986)