

Abstract Submitted
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Origins of the Elements – An Educational Web Site UPUL SAMARASINGHA, INESE I. IVANS, University of Utah, Utah — This poster will introduce our new and unique web site to the physics community. The main objective of our site is to provide a useful reference guide on the origins of the elements for both educators and students. Although various reference sources are available to learn about nucleosynthesis, it's a challenging task to uncover appropriate study materials and references. In this single site, we present both data and recent research results in a concise and attractive manner. Using tables and charts, the material is presented in a multi-level style. The elements were originated by different nucleosynthetic processes. This site provides a basic introduction of Big Bang nucleosynthesis, stellar nucleosynthesis and explosive nucleosynthesis. For each of the elements in the periodic table, the site gives a clear visualization of their corresponding nucleosynthetic origins. Another important feature is that the users have the direct access to the tabulated results of the abundances (both theoretical and observed) of the stars and meteorites through this educational web site.

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