



University of Crete
Department of Physics

Physics Colloquium

Thursday, 14 March 2019 | 17:00 – 18:00, Seminar Room, 3rd floor

Exploring greek tumulus for hidden monuments with cosmic rays

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ABSTRACT

Modern high energy physics experiments were initiated at the beginning of the 20th century, by experimental physicists searching to understand the ambient radioactivity and exploring particles arriving from the open sky. For many years the universe was the only source of high energy particles, and few fundamental discoveries were done, detecting cosmic particles. I will review one hundred years of observations, show some of the current experiments and comment on our present knowledge and problems. Finally I will show, how using cosmic muons we can explore the Macedonian funeral tumulus or the pyramids to detect hidden monuments or hidden rooms! The colloquium is for a large public, not necessary familiar with particle physics.