



Old Dominion University

Department of Physics

Colloquium

Tuesday, October 16, 2018

"Quarks in China"

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Abstract: Constructed in the mid 1980's, the Beijing Electron Positron Collider (BEPC) is a relatively small particle accelerator complex that lies directly to the west of central Beijing. It houses the Beijing Spectrometer (BES) experiment, where electrons and positrons collide and the fragments from those collisions are collected and analyzed. After a short introduction to the physics of the BES experiment, I will focus more on its historical origins. This is a history that is not widely known outside of China, and that I have been slowly exposed to over the course of frequent and sometimes extended trips to China during the course of my research as part of the BES experiment. For comparison, I will first briefly outline a standard history of quarks from a Western viewpoint, from about 1960 to 1980. Then I will revisit the same history of quarks, but instead follow developments as they occurred within China. While the product of this history is the BES experiment, which has become a successful international collaboration like others based in other countries, the journey in China has been unique.

Presentation: **OCNPS 200 @ 3:00 pm**

Refreshments: **OCNPS Atrium @ 2:30 pm**

All interested persons are cordially invited to attend.