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A New US-CERN Summer Program on ATLAS Experiment of LHC at CERN for California State University System

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This abstract focuses on providing access to quality research opportunities for students from under represented groups through a summer research program through the Nuclear and Particle Physics Consortium at the California State University (CSU) system.

With over 460,000 students from a diverse range of backgrounds, the CSU system is the largest university system in the United states. It is also a minority serving institution. In 2013, the student body was 41% Latino (32% Mexican American) and 5% African American. At least 35% are the first person in their family to attend college. However, the campuses have limited research opportunities for students. We will discuss a program started by Professor Yongsheng Gao of CSU Fresno, and supported by the NSF International Research Experiences for Students and other CSU campuses, to provide CSU students with summer research experiences at CERN with mentors from a variety of institutions. Students are prepared for the program by taking an online courses on particle physics taught by Professor Gao, and doing several months of practical tutorials with CSU Fresno and other ATLAS institutions (Stanford, UC-Irvine, Washington, etc.) postdocs. Our talk will focus on the preparation and experiences of both the student and mentors.

Summary

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Session Classification: Posters