



SCHOOL OF
NATURAL SCIENCES

Special Seminar: 2008 Nobel Prize in Physics

Quarks, Leptons and Spontaneous Symmetry Breaking

A key ingredient of the Standard Model of quarks and leptons is the idea of spontaneous symmetry breaking, as cited in the 2008 Nobel Prize for Physics to Yoichiro Nambu. What this idea is and how it plays a key role in the electroweak sector of the standard model will be explained, as well as the strong force sector of the model based on the color charges of quarks. This talk is for general science audience at an undergraduate level.

Professor Moo-Young Han
Visiting from Duke University

Professor Moo-Young Han is visiting UC Merced during the fall semester, on leave from Duke University, where he has been since 1967. Professor Han is credited for having discovered the color charges of quarks with Professor Nambu of University of Chicago, the recipient of the 2008 Nobel prize in physics. At Merced, he is teaching a course titled "20th Century Physics and Society."

Wednesday
November 19, 2008

Pizza
5:00 pm — 5:15 pm

Seminar
5:15pm — 6:30 pm

Kolligian 217

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