

David Gross 2004 Nobel Prize winner

David Gross, the 2004 Physics Nobel Prize recipient, was recognized with his two colleagues for both discovering and recognizing an important property of one of Nature's fundamental forces – the strong force. This vital discovery is aiding scientists in determining how this force works to hold quarks together.



Speaking at Jefferson Lab's CEBAF Center Auditorium Monday, June 12, 2006 8:00 p.m.

Limited seating first-come, first-served - FREE

David Gross, along with two colleagues - David Politzer and Frank Wilczek have through their theoretical contributions made it possible to complete the Standard Model of Particle Physics, the model that describes the smallest objects in Nature and how they interact.

David will talk about "THE COMING REVOLUTIONS IN FUNDAMENTAL PHYSICS" where he reviews the present state of knowledge in elementary particle physics and the questions currently being addressed. He will discuss the experimental revolutions that might occur at the Large Hadron Collider under construction in Switzerland at CERN and the proposed International Linear Collider. He will also review the state of string theory, an ambitious attempt to construct an unified theory of all the forces of nature, and describe the conceptual revolutions that might be necessary to complete this task. String Theory was the topic of a recent NOVA television special.

U. S. Department of Energy's



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Jefferson Lab 12000 Jefferson Avenue Newport News, VA 23606 Any questions: Contact Linda Ware 269-7689