Dr. Alexander Monin  
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“Current Challenges of Particle Physics and How to Address Them”

Abstract:  
Despite undoubted success of the Standard Model of particle physics, we are absolutely certain that it cannot be the ultimate theory of nature. Several experimental puzzles indicate that there should be new particles. Two scenarios for why new physics does not currently manifest itself at accelerators are either new particles are too heavy or they are light, but very weakly interacting with the Standard Model particles. The two scenarios lead to deep theoretical questions.

In this talk, I will present what these questions are and will discuss how non-perturbative methods in quantum field theory may help to address them.

MONDAY  
March 4  
4:15 PM  
Jones Physical Science Center Room 409  
(Rogers Seminar Room)

Hosted By:  
Dr. David Tedeschi

Refreshments Served

All Are Welcome