

DEPARTMENT OF **PHYSICS**

## High Energy Physics Seminar

Monday, February 4, 2019 @ 3:30 PM  
Room 4138  
Physics Research Building



**Radovan Dermisek**  
Indiana University

*IR Fixed Point Pattern of  
Couplings in the Standard Model*

I will discuss an intriguing observation that the values of all the couplings in the standard model except those related to first two generations can be understood from the IR fixed point structure of renormalization group equations in the minimal supersymmetric model extended by one complete vectorlike family with the scale of new physics in a multi-TeV range.



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