Monday – December 8, 2014
4:00 PM
Kolker Room (26-414)
(refreshments served at 3:30 PM)

Making Sense of the XYZ Mesons from QCD

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Abstract: The XYZ mesons are unexpected mesons containing a heavy quark and antiquark that have been discovered in the last decade. Their number has grown to about two dozen. Many of them are surprisingly narrow, and several are electrically-charged tetraquark mesons. Their existence presents a serious challenge to our understanding of the spectrum of QCD. I will explain how the Born-Oppenheimer approximation can be used to begin to understand the XYZ mesons.