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## **CANCELLED: The anomalous triangle singularity and its implications of threshold enhancements**

*Monday, August 29, 2016 6:30 PM (30 minutes)*

I will review the conditions and properties of the anomalous triangle singularity (ATS) in the transition matrix elements. For certain processes, the ATS condition can be fulfilled and will produce measurable effects in physical observables. In particular, when the ATS threshold is located within the physical regime, it may produce threshold enhancements which can mix with pole structures generated by dynamic interactions. Criteria for distinguishing the kinematically produced ATS peaks and dynamically generated poles will be discussed. Examples will be given regarding the understanding of some of those recently observed threshold states.

### **Summary**

**Primary author:** ZHAO, Qiang (Institute of High Energy Physics, Chinese Academy of Sciences)

**Presenter:** ZHAO, Qiang (Institute of High Energy Physics, Chinese Academy of Sciences)

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