**Physics Seminar**

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  "*Lorentz Violation: Theories and Possible Experimental Tests*"

**Abstract:**

I will review several different theories concerning Lorentz violation, from   
the phenomelogical Standard Model Extension to the model of Very Special   
Relativity and Doubly Special Relativity as well as the confliction between   
the Lorentz invariance and quantum gauge field theory. Our work on deformed   
very special relativity and Finler geometry realization will be briefly   
introduced. I will also touch the possible experimental tests of Lorentz   
violation effects from particle physics and astronomy.

**Friday, October 3, 2014**

**11:00 am**

**CEBAF F113**