TEP Seminar

UCLA

Tuesday, April 7th @ 2pm
Schwinger Lounge
Hosted by Prof. Thomas Dumitrescu

"Supercooling and Confinement"

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Abstract: Confining phase transitions in the early universe are important targets for future gravitational wave observatories. The signals rely on a strong first-order phase transition with significant supercooling. I will discuss through explicit examples when we expect these conditions to be met. The question of supercooling in the generic confinement transitions turns out to be interesting. I will present evidence from toy examples that suggest that the SU(N) confinement transition is not supercooled.