



LABORATORY FOR ELEMENTARY-PARTICLE
PHYSICS (LEPP)

Theory Seminar



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E8 families

It is important to understand the origin of exceptional symmetries like E7 duality in 4d M-Sugra. Depending on the context and the defining property at work (anomaly or divergence cancellation, attractor mechanism, classification of supergauge theories in 4,5 or 6d, 2d integrable systems...) the E8 groups appear in various families. The Painlevé differential and difference equations may provide a framework to organize this field. Cross-fertilization between unexpectedly parallel problems is also promising.



Monday, Sept 10, 2018

2:30pm

401 Physical Sciences Building