

## Physics Theory Seminar

Monday, March 20, 2017 / Pupin Hall Theory Center, 8<sup>th</sup> Floor / 2:40 PM

### $L_\infty$ Algebras and Field Theory

I will review and develop the general properties of  $L_\infty$  algebras focusing on the gauge structure of the associated field theories. Since these algebras also capture the structure of interactions, it is plausible that they can provide a classification of gauge invariant perturbative field theories.

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