



Seminar/Talk

3d N=4 Coulomb Branches and the Decay and Fission of Quivers

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In three-dimensional N=4 supersymmetric gauge theories defined by quivers, one can associate two hyper-Khler moduli spaces: the Higgs and Coulomb branches. While the Higgs branch has been well-understood for decades, both mathematically via the hyper-Khler quotient and physically through classical field theory, the Coulomb branch presents deeper challenges. Quantum effects obscure the classical picture, and a mathematically rigorous definition has only emerged in the past decade. In this talk, I focus on the Coulomb branches of quiver gauge theories and introduce a physics-inspired strategy based on "decay and fission" of quivers.

Monday, May 26, 2025 10:00am - 12:00pm

Central Bldg / O1 / Mondi 2a (I01.O1.008)



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