

# Defects, nested instantons and comet shaped quivers

*Wednesday, October 23, 2019 9:35 AM (35 minutes)*

We study the effective SUSY theory of a surface defect describing the parabolic reduction of gauge connections at punctures on Riemann surfaces, which gives rise to a quiver GLSM. We will show how the partition function of such a theory naturally computes certain virtual invariants of the moduli spaces of stable representations of the quiver and how these results relate to a conjecture of Hausel, Letellier and Rodriguez-Villegas about the cohomology of character varieties.

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