

# SPECIAL LAGRANGIAN AND DEFORMED HERMITIAN YANG–MILLS ON TROPICAL MANIFOLD

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## ABSTRACT

From string theory, the notion of deformed Hermitian Yang–Mills connections has been introduced by Mariño, Minasian, Moore and Strominger. After that, Leung, Yau and Zaslow proved that it naturally appears as mirror objects of special Lagrangian submanifolds via Fourier–Mukai transform between dual torus fibrations. In their paper, some conditions are imposed for simplicity. In this poster session, I would like to propose data to glue their construction on tropical manifolds and generalize the correspondence without the assumption that the Lagrangian submanifold is a section of the torus fibration.