ANTICYCLOTOMIC P-ADIC L-FUNCTIONS FOR COLEMAN FAMILIES OF $U\_N \TIMES U\_{N+1}$

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In this talk, I will explain how p-adically interpolating the branching law for the spherical pair $(U_n, U_n \times U_{n+1})$ allows us to construct a p-adic L-function attached to Coleman families of cohomological automorphic representations of $U_n \times U_{n+1}$. Using the recent proof of the unitary Gan--Gross--Prasad conjecture, I will demonstrate that this p-adic L-function interpolates the square root of the central critical L-value, including anticyclotomic variation.