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Jayce Robert Getz* (jgetz@math.duke.edu). *On triple product L functions.*

Let $\pi = \pi_1 \otimes \pi_2 \otimes \pi_3$ be a unitary cuspidal automorphic representation of $\mathrm{GL}_3^3(\mathbb{A}_F)$ where F is a number field. Assume that π is everywhere tempered. Under suitable local hypotheses, for a sufficiently large finite set of places S of F we prove that the triple product L -function $L^S(s, \pi, \otimes^3)$ admits a meromorphic continuation to $\mathrm{Re}(s) > \frac{1}{2}$. We also give some information about the possible poles. (Received February 02, 2020)