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Melissa Emory* (`memory@math.toronto.edu`). *On the global Gan-Gross-Prasad conjecture for general spin groups.*

We formulate a Gan-Gross-Prasad conjecture for general spin groups. That is, we formulate a conjecture on a relation between periods of certain automorphic forms on $GSpin_{n+1}$ and $GSpin_n$ along the diagonal subgroup $GSpin_n$ and some L -values. To support the conjecture, we show the conjecture holds for $n = 2$ and 3 and for certain cases for $n = 4$. (Received January 19, 2019)