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Ana Silvia Balibanu* (ana@math.harvard.edu), 1 Oxford St., Cambridge, MA 02138. *Steinberg slices in quasi-Poisson varieties.*

We consider a multiplicative analogue of the universal centralizer of a semisimple group G — a family of centralizers parametrized by the regular conjugacy classes of G . This multiplicative analogue has a natural symplectic structure and sits as a transversal in the quasi-Poisson double $D(G)$. We show that $D(G)$ extends to a smooth groupoid over the wonderful compactification of G , and we use this to construct a log-symplectic partial compactification of the multiplicative universal centralizer. (Received March 09, 2021)