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Jadyn V. Breland* (jbreland@ucsc.edu). *Braid shadows in simply-laced Coxeter systems*. Preliminary report.

Any two reduced expressions for the same element of a Coxeter group are related by a sequence of commutations and so-called braid moves. We say that two reduced expressions are braid equivalent if they are related via a sequence of only braid moves. The arrangement of generators in a reduced expression may provide several opportunities for a braid move. We refer to the location of the generators involved in a potential braid move as a braid shadow. In this talk, we will describe the combinatorial structure of braid shadows, and their support, for braid equivalent reduced expressions in simply-laced Coxeter systems. (Received September 13, 2019)