1146-13-123   **Tony Se**, **Sean Sather-Wagstaff** and **Sandra Spiroff*** (`spiroff@olemiss.edu`), Department of Mathematics, P.O. Box 1848, Hume Hall 335, University, MS 38677-1848. *Semi-dualizing modules of Ladder Determinantal rings.*

Ladder determinantal rings are generalizations of the more familiar determinantal rings. For the latter, the set of isomorphism classes of semi-dualizing modules is trivial: it consists of at most two classes, depending upon whether or not the ring is Gorenstein, which amounts to whether or not the matrix of variables is square. For ladder determinantal rings, the result is surprisingly similar, with the exception of a particular construction. This is joint work with Tony Se and Sean Sather-Wagstaff. (Received January 14, 2019)