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Sami Assaf and **Nicolle S. Gonzalez*** (nesandov@usc.edu), 3620 S. Vermont Ave, KAP 104
Dept. of Mathematics, University of Southern California, Los Angeles, CA 90089. *Demazure
crystals for specialized nonsymmetric Macdonald polynomials.*

Macdonald polynomials are important functions that arise in algebraic combinatorics, representation theory, and algebraic geometry. In this talk we will consider their nonsymmetric counterparts and relate them to Demazure modules. Specifically, for any nonsymmetric Macdonald polynomial specialized at $t=0$ we construct certain Demazure crystals and show that such polynomials can be obtained as the character of a finite graded sum of Demazure modules. (Received January 28, 2019)