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Bumping operators and insertion algorithms for supercrystals.

Results of Morse and Schilling show that the set of increasing factorizations of the reduced words for a permutation is naturally a crystal for the general linear Lie algebra. Hiroshima has recently constructed two analogues of these crystals for queer Lie superalgebras. This talk will explore how Hiroshima's crystal structures interact with shifted analogues of the Edelman-Greene correspondence and the Little bumping algorithm. As applications, we will explain how to prove that Hiroshima's crystals are normal and identify their connected components. (Received February 29, 2020)