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**Margaret Bayer, Bennet Goeckner, Su Ji Hong, Tyrrell McAllister, McCabe Olsen, Casey Pickney, Julianne Vega\*** (jvega30@kennesaw.edu) and **Martha Yip**. *Lattice polytopes from Schur and symmetric Grothendieck polynomials.*

In this presentation we will consider Newton polytopes arising from two families of polynomials in algebraic combinatorics: Schur polynomials and inflated symmetric Grothendieck polynomials. In both cases, we show that these polytopes have integer decomposition property. (Received August 02, 2020)