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Mee Seong Im* (meeseong.im@usma.edu), 646 Swift Road, Department of Mathematical Sciences, United States Military Academy, West Point, NY 10996. *Higher Schur-Weyl duality for Lie supersubalgebras*. Preliminary report.

We consider a big Kac module, which is an induced module from a simple module, tensored with d copies of a vector representation of a Lie supersubalgebra $\mathfrak{p}(n)$. We study the $\mathfrak{p}(n)$ -centralizer subalgebra of the endomorphism algebra of this module and relate it to a modified construction of the Brauer algebra.

This is joint with Inna Entova Aizenbud, Martina Balagovic, Zajj Daugherty, Maria Gorelik, Iva Halacheva, Johanna Hennig, Gail Letzter, Emily Norton, Vera Serganova, and Catharina Stroppel. (Received September 03, 2016)