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Andrew K Greene* (akoichig@gmail.com), Department of Mathematics, University of Iowa,
Iowa City, IA 52242. *Extensions of Hilbert Modules over Operator Tensor Algebras.*

Given a C^* -correspondence E over a C^* -algebra A , one may form its tensor algebra $\mathcal{T}_+(E)$, a noncommutative generalization of the classical disc algebra. J. Carlson and D. Clark in *J. Funct. Anal.* **128** (1995), no. 2, 278–306., defined Ext groups for Hilbert modules over the disc algebra. We extend their methods to Hilbert modules over $\mathcal{T}_+(E)$. We examine the particular case when $E = A$ with left action given by an automorphism or more generally, if time permits, an endomorphism of A . (Received September 22, 2011)