## Relating rank varieties and support varieties for modules of self-injective algebras (joint work with Miles Holloway)

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We provide an alternative, more representation theoretic, proof of the Avrunin Scott theorem that links the support variety to the rank variety associated with a module over an elementary abelian group algebra. We then use these ideas to prove the analogue of this Avrunin Scott theorem for a certain class of local algebras. For these algebras the support variety is the Hochschild support variety (a la Snashall and Solberg) and the rank variety was constructed earlier by us.