

# PHYSICS AND ASTRONOMY COLLOQUIUM

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Kinematics and structure of galaxies from integral field spectroscopy

Recent surveys of galaxies with integral-field spectrographs have provided new insights on the relationship between the kinematics and structure of galaxies, and clues to the processes that shape their formation. Here I will report new results from the SAMI survey that combine measurements of rotation and dispersion to produce scaling relations for galaxies of all morphological and kinematical types that are both more general and tighter than the traditional scaling relations. I will also explore the relationship between the morphological structure and specific angular momentum of galaxies in the SAMI sample, and discuss the implications of this relationship for galaxy formation histories.



THURSDAY, APRIL 21, 2016 | 4:00 PM | HAWKING AUDITORIUM



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