**Physics** & **Astronomy**

Colloquium

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**Dr. Emilia Järvelä**

Texas Tech University

**3:30 - 4:30 p.m. | Tuesday, Feb. 4**

**Science Building 234**

**A Brief History of Narrow-Line Seyfert 1s and Some Future Prospects**

Narrow-line Seyfert 1 (NLS1) galaxies are a subclass of active galactic nuclei (AGN) identified 40 years ago, but still not well understood. NLS1s are characterized by rapid accretion onto an intermediate-mass supermassive black hole and are believed to be in an early phase of AGN evolution. Interestingly, but perhaps not surprisingly, a large fraction of the JWST-detected AGN in the early Universe could be classified as NLS1s, making understanding the local population more important than ever. In this talk, I will give a brief overview of their story so far, including some disagreements along the way, and present some of the current issues and how we intend to solve them.

**Refreshments at 3 p.m. | SC 103**