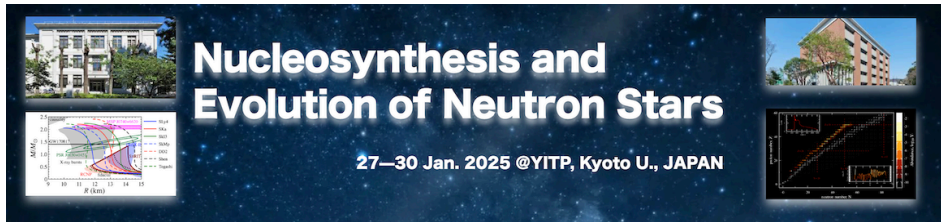


Nucleosynthesis and Evolution of Neutron Stars



Contribution ID: 47

Type: **Invited talk**

Instabilities in chiral plasma

Monday, January 27, 2025 2:35 PM (40 minutes)

Chiral plasmas may exist in supernovae and neutron stars. We will discuss the unique instabilities inherent to chiral plasmas, with particular focus on a few newly found ones including the chiral magnetovortical instability, chiral Hall instability, and viscosity-induced instability. We will explore the potential implications of these instabilities in supernova and neutron star physics.

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Session Classification: Oral Presentation