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Type: **Invited Talk for Parallel Sessions (Invitation Only)**

Galactic archaeology through chemo-dynamics of stars

Tuesday, 27 May 2025 11:00 (25 minutes)

The structure, formation and evolution of the Milky Way and the nearby universe are cutting-edge fields in contemporary astrophysics. The new era of large-scale surveys has provided us unexpected opportunities to deeply explore our home galaxy. This talk will focus on introducing the new picture of the Milky Way presented based on the modern astronomical observations specially through the Chinese LAMOST survey. From the origin of elements in the universe to the formation history of our Milky Way and its interaction with nearby neighbor galaxies, I shall present some of our latest understandings as well as breakthrough achievements obtained in the field of stellar and Galactic science.

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