

Multi-photon Propagation in an X-ray Cavity with Resonant Nuclei

Wednesday 27 August 2025 19:30 (12 minutes)

With the development of the X-ray source, stimulating nuclear quantum states directly becomes possible experimentally with synchrotrons and XFELs. The collective behaviors of the stimulated nuclear ensemble were studied theoretically in the past decade as a new frontier of nuclear science and quantum science. With specific numerical method and theoretical model, the correlation between scattering photons by the nuclear ensemble are the topic of my interest.

Research field of your presentation

Others

Author: DENG, Boyi (University of Chinese Academy of Science)

Presenter: DENG, Boyi (University of Chinese Academy of Science)

Session Classification: Young Scientist Session 5 (Poster)