APCTP SEMINAR

Nonlinear Waves in Bose-Einstein Condensates

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November 16th (Tue.) 15:30 (KST) Online via ZOOM

Bose-Einstein condensates provide fertile ground for the realization of interesting nonlinear waves like solitons and rogue waves. This talk will be focused on the dynamics of such waves in multi-component condensates described by the coupled Gross-Pitaevskii (CGP) type equations. In particular, the role of Rabi-coupling with temporally and spatially modulated nonlinearities will be addressed. Then, the influence of phase-dependent coupling in the formation of nonlinear coherent structures in multicomponent atomic condensates in autonomous and nonautonomous settings will be explored.

ZOOM Webinar

- 1) Please register through this ZOOM link <u>https://us06web.zoom.us/meeting/register/tZwsdumprDsqGNDfsH6L_MkQxCccJ4JTDnKW</u>
- 2) Join the webinar with a link generated after the registration
- 3) Please rename your profile E.g. Full name (affiliation)

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