# APCTP SEMINAR

## Hydrodynamics of spin currents

Angel Domingo Gallegos Pazos
Utrecht University

July 1st (Thu.) 16:00 (KST)
ZOOM Webinar

We study relativistic hydrodynamics in the presence of a non vanishing spin chemical potential. Using a variety of techniques we carry out an exhaustive analysis, and identify the constitutive relations for the stress tensor and spin current in such a setup, allowing us to write the hydrodynamic equations of motion to second order in derivatives. Applications to polarization measurements on heavy ion collisions will also be discussed.

■ ZOOM Webinar

1) Please register through this ZOOM link
https://zoom.us/meeting/register/tJcuf-mopz4qHdP0-eDM6WI_E8ZDwwveYwUh
2) Join the webinar with a link generated after the registration
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