Contribution ID: **50** Type: **Oral**

Recent Results from Proton Scattering Experiments at RCNP

I will report on the recent results from the proton scattering experiment with the high-resolution spectrometer at RCNP. The talk will cover the following subjects, the relative weights of which depends on the selected aural presentations of the other collaborators.
1) The electric dipole response of nuclei measured by Coulomb excitation: the electric dipole polarizability and the constraint on the symmetry energy parameters.
2) Spin-magnetic dipole excitations in the self-conjugate even-even nuclei in the sd-shell: quenching of the IS and IV spin-M1 strengths, p-n spin-correlation and IS p-n pairing in the ground state.
3) Pygmy dipole resonances and their gamma-decay studies.
4) Gamma-strength functions studied by the excitation from the ground state.
5) Nuclear level densities studied by the spectrum analysis of the high-resolution inelastic scattering data.
6) On going projects and the plans in near future

Primary author: TAMII, Atsushi (Research Center for Nuclear Physics, Osaka University)

Presenter: TAMII, Atsushi (Research Center for Nuclear Physics, Osaka University)

Track Classification: Invited Talk