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Isoscalar and isovector dipole excitations in tin isotopes

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An experimental campaign has been initiated in order to investigate the dipole response of tin isotopes, in particular, the low-energy part of the spectrum including the Pygmy Dipole Resonance. Stable and unstable isotopes will be investigated utilizing different probes. The program includes experiments at the photon tagger NEPTUN, the HiGS facility, R3B-LAND, and at RIBF. At the RIBF at RIKEN, an experiment on alpha scattering off neutron-rich tin isotopes in inverse kinematics is being planned to study the isoscalar part of the dipole response. The status of the experimental program will be discussed.

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Presenter: AUMANN, Thomas (Technische Universitaet Darmstadt) **Session Classification:** Approved and Upgrade Experiments