

## **Pygmy Dipole Resonances in tin isotopes studied by alpha scattering**

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We will study the isospin nature of the Pygmy Dipole Resonances in tin isotopes. Therefore, we investigate their excited states with the alpha-particle as an isoscalar probe. In this contribution we will present the experimental setup consisting of the gamma-detection system DALI2 + large-volume LaBr detectors, and the zero-degree spectrometer. The concept to obtain the single-gamma spectrum and the corresponding E1 transition strength in the three tin isotopes  $^{124}\text{Sn}$ ,  $^{128}\text{Sn}$ , and  $^{132}\text{Sn}$  will be discussed.

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