

We present a progress report and future plans of the 04-111 collaboration between IJClab, Jagiellonian University and Institute of Nuclear Physics in Kraków within the frame of HADES experiment at FAIR/GSI. The collaboration concentrates on studies of electron-positron pair production in hadron interactions around the threshold of light meson production. Final results from pion-induced reaction probing electromagnetic transitions of nuclear resonances and preliminary results from a new experiment with proton-proton collisions will be shown. Second, recently addressed topic, concerns pion-nucleon and nucleon-nucleon correlations from pion-nucleus reactions. It is of high relevance of the understanding of heavy ion reactions being studied also by HADES. The data provide important bench marks for cascade and transport codes and are also of interest for neutrino experiments. Perspectives and plans for future within Phase0 FAIR project will be outlined.