**8He SPECTROSCOPY IN STOPPED PION ABSORPTION REACTION**

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Level structure of heavy helium isotope 8He is studied in the reactions of stopped pion absorption 9Be(π-,p)X, 10B(π-,pp)X, 11B(π-,pd)X, 12C(π-,p3Нe )X, 14C(π-,d4Нe )X, 14C(p-,t3Нe )X. The experiment was carried out at the LANL with a two-arm semiconductor spectrometer.  The ground and excited states have been observed. The assumption  that the  excited state Ex ≈ 3 MeV is a soft dipole mode is made. The states Ex ≈ 9.3 MeV, 11.5 MeV, 12.2 MeV  have been observed for the first time. Parameters of excited states have been compared with data of other experimental and theoretical works.