XXV International Baldin Seminar on High Energy Physics Problems "Relativistic Nuclear Physics and Quantum Chromodynamics"



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Energy levels of pionic and kaonic helium in variational approach.

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Energy levels of three-particle bound systems composed of a helium nucleus, electron in 1S ground state and Pi^-, K^- mesons in Rydberg state with principal and orbital momentum quantum numbers of n\sim l+1\sim 17 are studied in variational approach in quantum electrodynamics. Vacuum polarization and relativistic corrections are taken into account.

Primary author: Dr ESKIN, Alexey (Samara University)

Co-authors: KOROBOV, Vladimir (BLTP, JINR, Dubna, Russia); MARTYNENKO, Alexei (Samara University); MARTYNENKO, Fedor (Samara University)

Presenter: Dr ESKIN, Alexey (Samara University)

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