The XXVI International Scientific Conference of Young Scientists and Specialists (AYSS-2022)

Contribution ID: 1146 Type: Poster

Analysis of composite operators of the dynamic model A

Monday, 24 October 2022 18:50 (5 minutes)

There is a model that includes viscosity at the lambda point in the transition to the superfluid state. This viscosity is expressed in terms of composite operators of dimension 8, but composite operators of dimension 6 are mixed with them. In dynamics, composite operators were almost not considered, but dynamic operators of dimension 6 can be investigated without additional calculations.

Primary author: Ms DAVLETBAEVA, Diana (Department of Statistical Physics, Faculty of Physics, St. Petersburg University, 7/9 Universitetskaya nab., St. Petersburg 199034, Russia)

Co-authors: Prof. HNATIČ, Michal (Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research, 6 Joliot-Curie, Dubna, Moscow region, 141980, Russia; Pavol Jozef Šafárik University, Park Angelium 9, 041 54 Košice, Slovak Republic); MIZISIN, Lukas (Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research, 6 Joliot-Curie, Dubna, Moscow region, 141980, Russia; Pavol Jozef Šafárik University, Park Angelium 9, 041 54 Košice, Slovak Republic); Prof. NALIMOV, Mikhail (Department of Statistical Physics, Faculty of Physics, St. Petersburg University, 7/9 Universitetskaya nab., St. Petersburg 199034, Russia; Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research, 6 Joliot-Curie, Dubna, Moscow region, 141980, Russia)

Presenter: Ms DAVLETBAEVA, Diana (Department of Statistical Physics, Faculty of Physics, St. Petersburg University, 7/9 Universitetskaya nab., St. Petersburg 199034, Russia)

Session Classification: In-person poster session & welcome drinks

Track Classification: Theoretical Physics