



Contribution ID: 259

Type: **Oral**

## Neon three - atomic clusters within Faddeev approach

This work is aimed at a theoretical investigation of the neon atomic clusters. Bound state energies and wave functions have been calculated. The modern realistic potential models are used for description the interatomic interaction. Differential Faddeev equations in the total angular momentum representation are used for the binding energies calculations of neon trimer system. The results obtained are compared with previous published results.

**Primary author:** Mr KOROBITSIN, Artem (Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research)

**Co-author:** Dr KOLGANOVA, Elena (BLTP JINR)

**Presenter:** Mr KOROBITSIN, Artem (Bogoliubov Laboratory of Theoretical Physics, Joint Institute for Nuclear Research)

**Track Classification:** Theoretical Physics