

3rd Jagiellonian Symposium on Fundamental and Applied Subatomic Physics



Contribution ID: 13

Type: **invited talk**

Positronium for fundamental studies

Tuesday, 25 June 2019 09:05 (25 minutes)

The fundamental interaction of positron with matter and the mechanism of positronium formation are briefly introduced. Then, recent advances in fundamental experiment with many positrons bunched beam for the production of positronium in vacuum are presented: formation of antihydrogen by charge exchange, excitation of positronium in long lived states. Planned running experiment with long lived positronium at CERN and in the Trento antimatter laboratory are detailed.

Primary author: BRUSA, Roberto Sennen (Dep. of Physics, University of Trento and INFN-TIFPA)

Presenter: BRUSA, Roberto Sennen (Dep. of Physics, University of Trento and INFN-TIFPA)

Session Classification: Tuesday