



Contribution ID: 56

Type: **not specified**

Recent developments on Electron String Ion Source of multicharged heavy ions KRION-6T

Saturday 11 June 2016 11:20 (10 minutes)

The Electron String Ion Sources (ESIS) are chosen as the basic ion sources for the injector complex of superconducting collider of heavy ions NICA at JINR. The project parameters of NICA ESIS are $(1-3) \times 10^9$ Au³¹⁺ ppp with a repetition rate of 50 Hz. Recent results of basic studies of heavy ion beam production (Ar¹⁶⁺, Kr²⁹⁺, Xe⁴²⁺, Tm⁵⁰⁺, Au³²⁺) on new KRION-6T ESIS will be presented. Possible application of ESIS for carbon-ion therapy accelerators will be discussed.

Presenter: Mr RAMSDORF, Alexander (JINR)

Session Classification: Презентации участников