

Recommendations Project FASA
“Properties of Nuclear Matter and the Fragments
Formation on Relativistic Beams
of the Nuclotron/NICA Complex.”
(in the framework of topic 02-1-1087-2009/2020)

Recommendation 1. *“The PAC notes that similar work on Multi-Fragmentation of Nuclei was carried out some 40 years ago at Fermilab, at CERN - PS and at the BEVATRON and BEVALAC.”*

The reply to this comment is disappointing as the work is not even mentioned in their reply. It would have been very helpful to present a (brief) history of the developments in this field since the pioneering work done 40 years ago.

Recommendation 2. *“The PAC requests the authors to sharpen their scientific case taking into account these earlier data and to present a convincing case on how they can solve the still open question of break-up or thermalization in the multifragmentation of nuclei.”*

The reply to this comment is satisfactory as the authors show convincingly how they plan to solve the open questions.

Recommendation 3. *“The PAC looks forward to receiving an improved proposal with details on the target thickness, the identification power of their telescopes for He and Be isotopes, and a simulation of the performance of the experiment in comparison with theoretical predictions.”*

The reply to this comment is satisfactory as the details are presented by the authors.

Dr. Jean Cleymans
Emeritus Professor
Department of Physics
University of Cape Town
South Africa