Contribution ID: **10** Type: **Oral presentation**

Accelerator-based experiments for the p-process from Vravron to Budapest and beyond

Wednesday 16 October 2024 14:00 (30 minutes)

Since the very first p-process workshop in Vravron, Greece (2002), theoretical study of the astrophysical p-process is accompanied by nuclear physics experiments. These experiments always try to follow the requirements from astrophysical models and reaction cross sections relevant to the p-process have been measured on various type of reactions with various techniques. These experiments do not only provide data for p-process network calculations, but often identify some key nuclear physics quantities where our knowledge is not sufficient yet and further experiments are needed.
In this talk I will try to review the experimental efforts (in Atomki and worldwide) aiming at the better understanding of the synthesis of those still somewhat elusive p-isotopes.

Length of presentation requested

Oral presentation: 25 min + 5 min questions (Review-type talk)

Please select a keyword related to your abstract

Nuclear Theory and Experiments

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Session Classification: Afternoon session