

Strangeness production with FOPI

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In its almost 25-years long history, the FOPI experiment has delivered much of experimental data, both from nucleus-nucleus as well as from proton- and pion- induced reactions at intermediate energies. In this way it has contributed significantly to progress achieved in recent years in heavy-ion and hadron physics, in particular to understanding of the production of strangeness.

Despite the fact, that the detector setup faces most probably its final days, the FOPI collaboration continues its activities and comes up with new results, which not only give better insight in problems studied so far, but also expands the research field to even more interesting and more experimentally-challenging subjects.

It this contribution, besides recalling once more the biggest achievements of the FOPI experiments, well known to the community, we will present the results of the most recent efforts, that concentrated, among others, on studies about hyper-matter produced in heavy-ion collisions. The newest results on the production of weakly-bound hyper-nuclei as well as on possible formation of dense objects, strongly bound by the kaon-nucleon interaction will be presented.

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