

Ideas for the next PAC

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The Atomki group would like to propose two ideas for the next PAC. (1) Shape evolution of proton-rich nuclei beyond the $N=Z$ line, (2) study of sulfur and silicon isotopes reaching the neutron drip line.

Specifically, we intend to propose to investigate the proton and neutron distribution in ^{58}Zn , ^{62}Ge , and ^{66}Se as well as the matter deformation in ^{52}Ni , ^{56}Zn , and ^{60}Ge . For the neutron-rich nuclei, we plan to map the low-lying states of $^{46,47,48}\text{Si}$ as well as that of the $^{43,44}\text{Si}$ isotopes.

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