



## Status of the gas-filled separator SHANS2

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A new gas-filled recoil separator (SHANS2) has been constructed at the Institute of Modern Physics, CAS. In 2022, the separator was commissioned and targets such as <sup>175</sup>Lu and <sup>169</sup>Tm were bombarded with <sup>40</sup>Ar and <sup>40</sup>Ca beams. In these experiments, the decay of <sup>205</sup>Ac was remeasured while observing <sup>204</sup>Ac. I will report on the results of these experiments.

## References

- [1] S.Y. Xu, Z.Y. Zhang, Z.G. Gan, M.H. Huang, L. Ma, et al., NIM, A 1050, 168113 (2023)
- [2] M.H. Huang, Z.G. Gan, Z.Y. Zhang, L. Ma, J.G. Wang, et al., PLB 834, 137484 (2022)