



## Recent results of SHANS2

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The report will summarize a series of experiments carried out in 2025 on SHANS2. Experiments such as  $^{54}\text{Cr} + ^{238}\text{U}$ ,  $^{54}\text{Cr} + ^{232}\text{Th}$ ,  $^{40}\text{Ar} + ^{238}\text{U}$  were conducted using  $^{54}\text{Cr}$  and  $^{40}\text{Ar}$  beams, the cross-sections of these reaction channels were investigated. The cross-section of Bh isotopes were measured by cold fusion reaction using  $^{52}\text{Cr}$  beam, and the influence of N=152 subshell in this region was studied.

## References

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