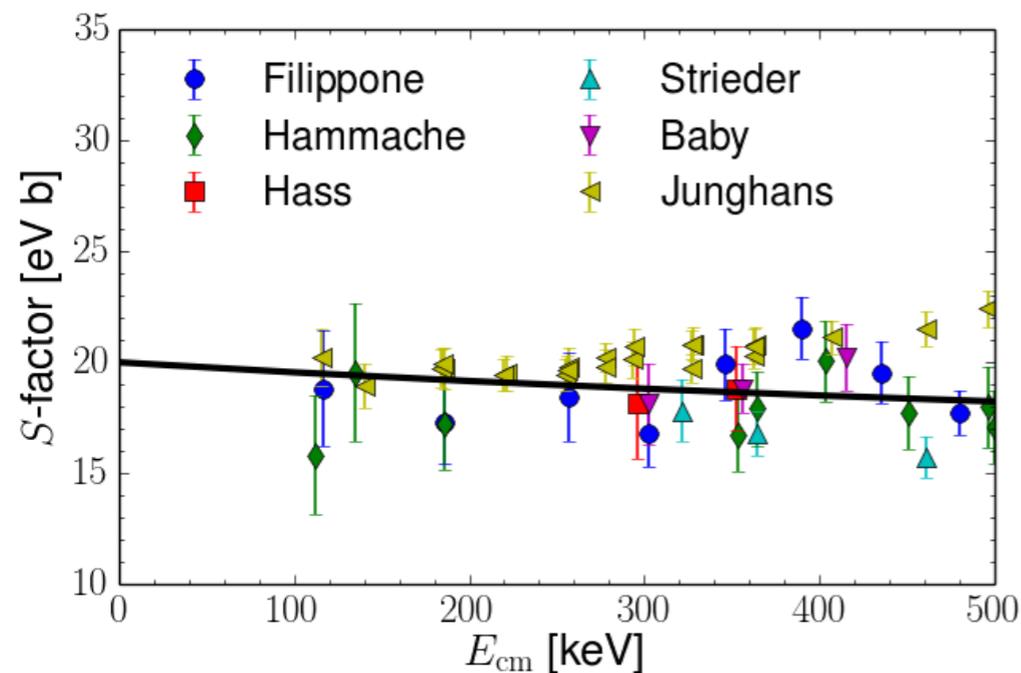


Halo EFT as a new approach to nuclear reactions

- Effective field theory approach to weakly-bound nuclei (Halos)
- Low-energy expansion with reliable uncertainties
- structure and reactions within same framework (can be combined with ab initio/experiment)

Examples:

- Proton capture on ${}^7\text{Be}$



- Proton capture on ${}^{16}\text{O}$

