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## **Study of $(p,2p)$ at CALIFA calorimeter in knockout induced fission of $^{238}\text{U}$**

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Nuclear fission has been used as a tool for the study of nuclear properties since its discovery in 1939. A new approach was performed in the context of the R3B collaboration, at the FAIR facilities, in which knockout reactions were used to induce fission in  $^{238}\text{U}$ , that will allow to characterise the excitation energy of the process. The CALIFA calorimeter, a key part of the set-up, will be used to reconstruct the momentum of the two protons coming out the  $(p, 2p + f)$  reaction. Preliminary results show that kinematic variables and quasifree regime are well reconstructed and in good agreement with theory.

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