

Measurement of the astrophysically relevant alpha-capture reaction rate $\text{Ti-44}(\alpha, p)\text{V-47}$

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The proposal for measuring the reaction $\text{Ti-44}(\alpha, p)\text{V-47}$ at CRYRING@ESR was granted beam time for the year 2022 in the last G-PAC (E151). However, due to various delays neither the internal gas target nor the CARME detector setup was ready and fully commissioned for successfully performing the proposed beam time. A first commissioning beam time could be performed in spring this year with one quarter of the CARME detector and only nitrogen gas at the internal target.

I will discuss our future plans of re-submitting the proposal with the updated timeline of the completion of CARME, the availability of helium in the internal target and the transport and installation of the EBIT at the CRYRING local injector.

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