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Measurement of the first $\frac{12}{9}\text{Be}^{*}$ state

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Abstract content (Max 300 words)
Formatting & Special chars

A measurement will be carried out using the $^{9}\text{Be}(^{3}\text{He}, t)^{9}\text{B}^{*}$ reaction at a beam energy of 50 MeV at the iThemba LABS cyclotron facility with the K600 spectrometer in coincidence with a silicon detector array. The tritons are going to be detected with a silicon detector array CAKE (Coincidence Array for K600 Experiments). Kinematic calculations have been performed in order to get information on the behaviour of the reaction and will be used for the reconstruction of the excited states in the $^{9}\text{B}^{*}$ nucleus, specifically the energy of the first $\frac{12}{9}\text{Be}^{*}$ state.

Apply to be considered for a student award (Yes / No)?

Yes

Level for award (Hons, MSc, PhD, N/A)?

MSc

Main supervisor (name and email) and his / her institution

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No

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Yes

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