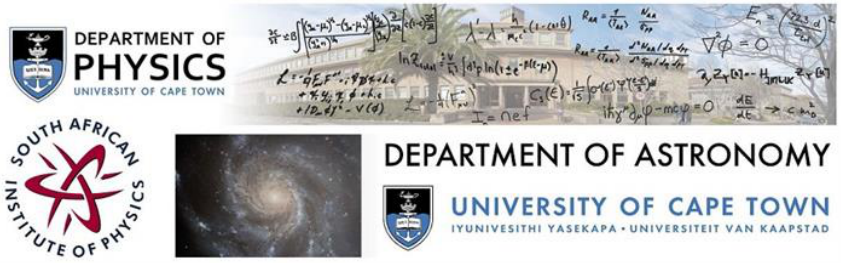

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Measurement of the first ½⁺ state in ⁹B[*]

Tuesday, 5 July 2016 16:10 (1h 50m)

Abstract content
   (Max 300 words)
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A measurement will be carried out using the ⁹Be(³He,t)⁹B reaction at a beam energy of 50MeV 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 ⁹B nucleus, specifically the energy of the first frac12;⁺ state.

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MSc

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

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