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Cluster Model Analysis of Th isotopes

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Abstract content
 (Max 300 words)

A simple prescription for selecting the cluster and core in a binary cluster model prescription of a nucleus is presented. The main aim of using this method is to determine and calculate results concerning the occurrence of exotic clustering in actinide nuclei. A previously published prescription of the core-cluster interaction is then used along with a local potential model to calculate the energy levels, $B(E₂;2⁺) \rightarrow 02⁺) and decay widths.$

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

Yes

Level for award
 (Hons, MSc,
 PhD)?

MSc

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

Prof. Shaun Wyngaardt shaunmw@sun.ac.za Stellenbosch University

Would you like to
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No

Primary author: Mr DU TOIT, Erasmus (Stellenbosch University)Presenter: Mr DU TOIT, Erasmus (Stellenbosch University)Session Classification: NPRP

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