SAIP2013



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Cluster Model Analysis of Th isotopes

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Abstract content

br> (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(E < sub > 2 < /sub > 2 < sup > + < /sup > → 02 < sup > + < /sup >) and decay widths.

Apply to be
br> considered for a student
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Yes

Level for award

- (Hons, MSc,

- PhD)?

MSc

Main supervisor (name and email)

-br>-and his / her institution

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Would you like to
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 Proceedings (Yes / No)?

No

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