#### **SAIP2016**



Contribution ID: 226

Type: Poster Presentation

# The ½ -> ½ branch in <sup>19</sup>Ne &beta; -decay

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

# Abstract content <br> &nbsp; (Max 300 words)<br><a href="http://events.saip.org.za/getFile.py/starget="\_blank">Formatting &<br>Special chars</a>

Elementary particles and their interaction are successfully described by the Standard Model (SM) of particle physics. Nuclear beta decays allows for low-energy tests of the SM to probe for new physics.

In this talk I shall describe the analysis of data from an experiment performed at TRIUMF, (Canada's National Laboratory for Particle and Nuclear Physics) to measure the <i>ft</i> -value of <sup>19</sup>Ne  $\beta$  -decay and its implications for tests of the Standard Model.

### Apply to be<br> considered for a student <br> &nbsp; award (Yes / No)?

Yes

### Level for award<br>&nbsp;(Hons, MSc, <br> &nbsp; PhD, N/A)?

MSc.

### Main supervisor (name and email)<br>and his / her institution

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# Would you like to <br> submit a short paper <br> for the Conference <br> Proceedings (Yes / No)?

No

# Please indicate whether<br>this abstract may be<br>published online<br>(Yes / No)

Yes

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Session Classification: Poster Session (1)

Track Classification: Track B - Nuclear, Particle and Radiation Physics