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## **Benchmarking aspects of weak interaction physics via precision beta decay spectroscopy and two-nucleon transfer reactions**

*Thursday, 27 February 2020 10:30 (30 minutes)*

In this talk I shall present results from recent high-precision half-life and branching ratio measurements for  $^{19}\text{Ne}$  beta decay and the detailed spectroscopic analyses of states in  $^{136}\text{Ba}$  and  $^{136}\text{Cs}$  via two-nucleon transfer reactions. I will briefly discuss the connection between these experiments in the context of Standard Model tests, highlighting the importance of reconciling the experimental results with state-of-the-art theory calculations. Particular emphasis will be placed on implications pertaining to neutrinoless double beta decays.

**Primary author:** TRIAMBAK, Smarajit (University of Western Cape)

**Presenter:** TRIAMBAK, Smarajit (University of Western Cape)

**Session Classification:** Invited Talks

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