

Nuclear Decay Station Engineering Design

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I will be discussing the engineering design process as applied to research experiments through showcasing my work on a decay station for nuclear physics studies. The decay station will be used in the Spring of 2018 at TRIUMF in Canada to study the decay of Rb-98. I will be giving some background on the experiment and discussing the design goals and challenges involved. I also hope to lay a framework for how to approach design projects through retracing my work and what I have learned. If you are interested in Engineering Design, Nuclear Physics, Vacuum Chambers, and the like, I am sure that you will take away something from this presentation.