

## Exploding operators for Majorana neutrino masses

*Thursday 16 June 2022 09:30 (30 minutes)*

I will describe a procedure for the automated building of simplified models starting from effective operators, and how this procedure was used to derive a large class of novel and historical neutrino-mass models using an open-source Python library. I will discuss some details of the algorithm as well as the database of neutrino-mass models that it has produced. I will conclude with possible future directions in automated model building and phenomenology. The talk will be broadly based on this paper: <https://arxiv.org/abs/2009.13537>.

**Presenter:** GARGALIONIS, John (The University of Melbourne)