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## Neutrinos and Axions

*Thursday 2 June 2016 16:05 (40 minutes)*

Right-handed neutrino fields are useful to explain tiny neutrino masses. Axion field is useful to explain a tiny value of effective CP violating theta parameter within QCD. Both provide candidate particles for Dark Matter. Their observable effects, however, are predicted to be extremely weak. In particular, the neutrinoless double beta decay and axion-photon conversion represent yet unobserved phenomena with discovery potential and also with great information content. For both phenomena a resonant enhancement has been proposed recently. In the talk we want to review some of these progressive ideas.

### **subject**

Theory and BSM

### **suggest duration of your talk**

20-30 min

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