

# **Majorana fermion dark matter from discrete flavor symmetry**

*Thursday, 28 July 2016 18:00 (15 minutes)*

## **Summary**

We consider the possibility of right-handed neutrino dark matter from the discrete non-Abelian flavor symmetry based on a model proposed by M.Hirsch et al. They may obtain the DM desired relic abundance through the thermal freeze out and the imposed flavor symmetry could remain a good symmetry among low energy observables. The implications to several experiments are briefly discussed.

## **Based on (arXiv number)**

arXiv:1405.3592v4 and arXiv:1505.07636

**Primary author:** Prof. TAKAYAMA, Fumihiko (Yukawa Institute for Theoretical Physics, Kyoto U.)

**Presenter:** Prof. TAKAYAMA, Fumihiko (Yukawa Institute for Theoretical Physics, Kyoto U.)

**Session Classification:** Dark Matter Models

**Track Classification:** Dark Matter Models