

# Macroscopic dark matter: fermi balls and black holes

*Tuesday 25 March 2025 14:45 (15 minutes)*

I will discuss the formation of macroscopic dark matter from interacting dark sectors. Specifically, Fermi balls can form in dark sectors with a heavy fermion and a light scalar mediated Yukawa force. I'll discuss the behavior of these Fermi balls and the conditions under which they will collapse to form primordial black holes. Based on arXiv:2411.17074.

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