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## Self-interacting dark matter from late decays and the H0 tension

The poster presents work done in 2006.16139 where we study dark matter production mechanism based on decays of a messenger WIMP-like state into a pair of dark matter particles that are self-interacting via exchange of a light mediator. A natural by-product of this mechanism is a possibility of a late time transition to subdominant dark radiation component. We provide a simple realization of the mechanism in a Higgs portal dark matter model where we find a significant region of the parameter space that leads to a mild relaxation of the Hubble tension while simultaneously having the potential of addressing small-scale structure problems of  $\Lambda$ CDM.

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## **Collaboration / Activity**

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