

## Higgs-Portals to Dark Matter

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Higgs-portal models are among the simplest WIMP dark matter models. We will focus on the scalar Higgs portal model and discuss how the model can be probed through cosmology as well as direct, indirect and collider searches for dark matter. We find that the Higgs portal model can satisfy all constraints and also accommodate potential dark matter signals in cosmic-ray antiprotons and gamma-rays, albeit only in a small region of parameter space where dark matter annihilates resonantly through Higgs boson exchange.