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## Young stellar populations and other probes of dark matter

*Monday 22 October 2018 17:30 (30 minutes)*

We use a semi-analytic galaxy formation model and consider various observables which can be used as valuable probes for uncovering the nature of dark matter. Among them, we show how the properties of young stellar populations in the local Universe can be used as a particularly valuable cosmological test. We discuss how future facilities can help us supporting standard  $\Lambda$  cold dark matter or alternative dark matter models.

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**Session Classification:** Afternoon session