



THE 2ND
**PIETRO
BARACCHI**
CONFERENCE

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Multimessenger astroparticle physics for testing theories of dark matter and new particles

Thursday, 24 October 2019 12:00 (30 minutes)

I will give an update on the GAMBIT programme of multimessenger joint analyses of particle and astroparticle datasets, for evaluating and comparing different theories for dark matter and new particles. I will touch on supersymmetric, Higgs portal and axion theories, and draw together constraints from direct and indirect dark matter searches, neutrino telescopes, cosmology, solar physics, laboratory experiments and high-energy colliders.

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