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## Relic and nascent neutrinos

*Thursday, 8 September 2022 14:00 (30 minutes)*

As standalone detections or in the context of multi-messengers signals, neutrinos offer opportunities to understand our Universe in unprecedented ways. Their weakly interacting nature provides information about the interior of cooling neutron stars, their mergers, and black hole accretion disks. Interpreting neutrino observations from compact objects relies on models of neutrino emission and their interaction with highly dense stellar matter. In this talk, I shall outline the insights posed by the possible detection of neutrinos from collapsars, neutron-star mergers and accretion disks.

### Field of work

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