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Type: **Talk**

Neutron star properties from semiclassical methods in nuclear physics

mardi 21 mars 2023 16:00 (30 minutes)

Semiclassical methods in nuclear physics are a very good tool to study the behavior and composition of neutron stars. Using the Vlasov equation, the neutron star crust-core transition will be discussed, also in the presence of a strong magnetic field as expected inside magnetars. The description of the inner crust within a Thomas Fermi approach will be presented.

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Classification de thématique: Semiclassical methods