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Cooling mechanisms and pairing in neutron stars

The cooling mechanisms in a neutron star will be briefly discussed in connection with the pairing onset assumed to occur in the core. The residual interaction due to the medium polarization will be discussed within the induced interaction theory along with the crossover from screening to antiscreening in beta-stable nuclear matter.

Mercredi 4 mai 2016, 11h30

IPN, Bât. 100, Salle A 201