

LABORATORI NAZIONALI DEL GRAN SASSO

SEMINAR ANNOUNCEMENT

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**High-amplitude
oscillations in dense
matter**

High-amplitude density oscillations can enormously enhance transport properties that involve flavor equilibration (e.g. bulk viscosity or neutrino emissivity). This "suprathermal" enhancement can be strong enough to overcome the suppression of the transport by slowness of flavor equilibration or by Cooper pairing of the relevant fermions. I will discuss the physics of suprathermal enhancement, and its possible relevance to oscillations of neutron stars.

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