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## Recent Advances in the Physics of the Inner Crust

The talk offers a concise overview of recent advancements in the study of the inner crust, focusing on refinements in trial functions for extended Thomas-Fermi (ETF) calculations and their impact on predictions regarding the structure of the pasta phase. We will also discuss the specifics of thermodynamically consistent calculations of pressure and chemical potential within ETF framework utilizing these trial functions. Additionally, we will present findings on the elasticity properties of the inner crust.

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