Equation of State for Cold Neutron Star Crust HELBER DUSSAN,
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INGTON TEAM — The crust of neutron star has an extension of about 1 km and
represents only 1% of the total mass of the star. However, the physical proper-
ties (radiation flux, thermal conduction, etc) depend on the dynamics of the crust.
We applied relativistic mean field theory to find the equation of state (energy and
pressure as functions of the density) for all densities along the crust.

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