

**ETTORE MAJORANA AND HIS SOLUTION
FOR THE THOMAS- FERMI EQUATION**

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Abstract: *5 August 2006 marked the centennial of Ettore Majorana 's birth, an extremely gifted Italian physicist of all times, one of the greatest theoretical physicists of the 20-th century. Before mysteriously disappearing in March 1938, he was a member of Enrico Fermi's famous group in Rome (among others, colleague with, F Rasetti, G.C. Wick ,G. Racah, U. Fano, B. Ferretti, P. Caldirola, E. Segré, E. Amaldi, B. Pontecorvo, E. Fubini) . In this paper, based on informations that can be found in some (old or recent) published contributions, we briefly sketch a few biographical details about Ettore Majorana and we report, for the romanian reader, on an original method, due to Majorana, leading to a semi-analytical series solution of Thomas-Fermi equation.*