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INVITED BY

LERMA-LAMAP LABORATORY LABORATORY FOR THE STUDY OF RADIATION AND MATTER IN ASTROPHYSICS

Currently he is Full Professor of Physics at the Dipartimento di Metodologie Fisiche e Chimiche of Catania University since October 2002. His former fields of interest are: physics of solar atmospheric phenomena, propagation of gravitational waves in dissipative fluids, theoretical evaluation of atomic transition probabilities and stellar abundances of elements.

CURRENT RESEARCH INTERESTS

- ▶ Laboratory Astrophysics:
 - Laboratory simulations of processes induced in solids of astrophysical interest by the irradiation with energetic ions and applications to space scenarios: interstellar medium, circumstellar envelopes, planetary system.
 - Laboratory simulations of molecule formation on surfaces of solids of astrophysical interest.

EDUCATION

- ▶ 1970, July: Degree (Diploma) awarded by the Liceo Scientifico “E. Boggio Lera” of Catania (scientific high school) with highest grade (i.e., 60/60).
- ▶ 1970 – 1975: Student in Physics at the University of Catania.
- ▶ 1975, February: Research Thesis submitted in partial fulfillments of requirements for the degree “Laurea in Fisica”, entitled: “On the formation Mechanisms of Sunspots”.
- ▶ 1975, March 16th: Passed the “viva voce” defense of the thesis.
- ▶ **1975, March 27th: Degree “Laurea in Fisica” awarded “Summa cum Laude” (with the highest honors) by the University of Catania.**
- ▶ 1975 – 1978: Student of the postgraduate “Scuola di Specializzazione in Fisica” (Specialization School in Physics), the former name of the Italian Doctorate.
- ▶ **1978, October: graduation at the “Scuola di Specializzazione in Fisica”** (the only postgraduate school available in Italy before the PhD program was introduced in Italy in the eighties).

LAST PUBLICATIONS

- ▶ A full list of publications is accessible through the [NASA Astrophysics Data Abstract Service](#).