

The Chemist
Guido SPERA

The Physicist
Engineer
Andrea
PETRUCCI

Laboratories 4th Rgt. Scorpione year 2005

**On the left Colonel
Antonio ARACU,
Commander of the 4th Rgt.
Scorpione.**

In his right hand a reaction chamber.

**CNR Laboratories
Research Area Rome 1
year 2006**





CNR Laboratories year 2006.

Above the Motto "*Nihil Creatur Omnia Deletur*"



On the left
the Physicist
*Giovanni
CHERUBINI*

on the right the
Physicist Engineer
Andrea PETRUCCI

at the Nuclear
Chemical
Bacteriological
Laboratories of the
the Italian Army

year 2007



**On the left the Brigadier
General**

Giacinto Costantino

**Commander of the
Nuclear Chemical
Bacteriological Centre of
the Italian Army**

year 2007

A photograph of two men standing side-by-side against a plain grey background. The man on the left is older, with white hair and glasses, wearing a dark suit, light blue shirt, and a red tie with a small white pattern. The man on the right is younger, with grey hair and glasses, wearing a dark suit, white shirt, a patterned tie, and a dark vest. Both are smiling.

**Alberto
Carpinteri**

**On the left the
Engineer
Professor
Alberto Carpinteri**

**Experiments in
solids by
compression
at Turin
Polytechnical
University**

year 200

A photograph of three men standing in a workshop. The man on the left is wearing a dark jacket. The man in the center is wearing a dark suit and glasses. The man on the right is wearing a dark jacket and is holding a folder. They are standing in front of a large window with multiple panes. A workbench with various tools and equipment is visible in the background.

**Massimiliano
Monti**

**Valter
Sala**

St. Ambrose Project

R-1-S Reactor

working with Iron rods

STARTEC Ltd.

Brugherio, Milan

year 2009



The sonotrode
cavitator

the main part of
the ultrasound
nuclear reactor

The green rings
are part of the
cooling system



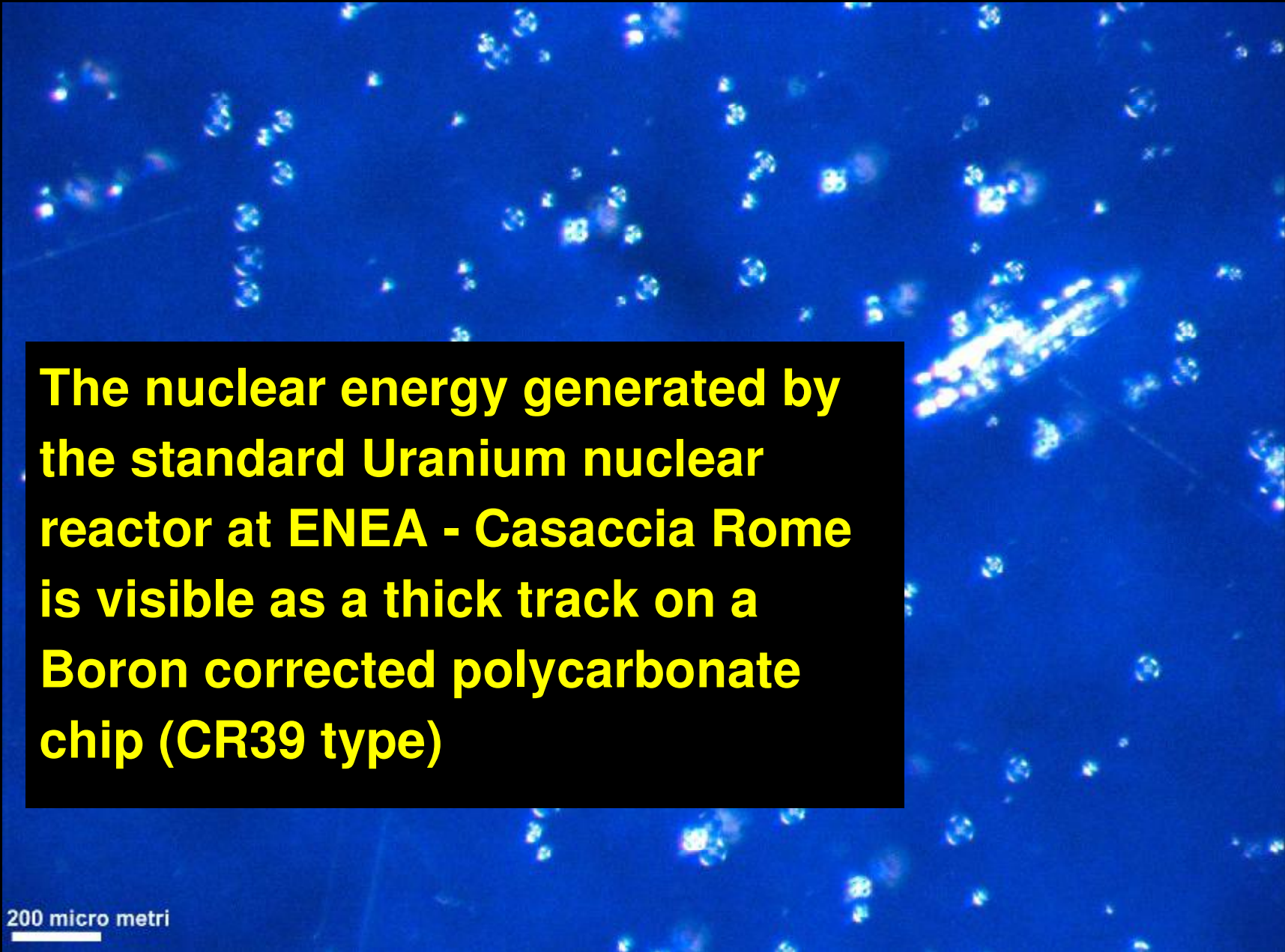
The nuclear energy generated by ultrasound reactor is visible as bubbles entrapped in a neutron sensible gel

29/03/2006

The nuclear energy generated by the ultrasound reactor is visible as a thick track on a Boron corrected polycarbonate chip (CR39 type)

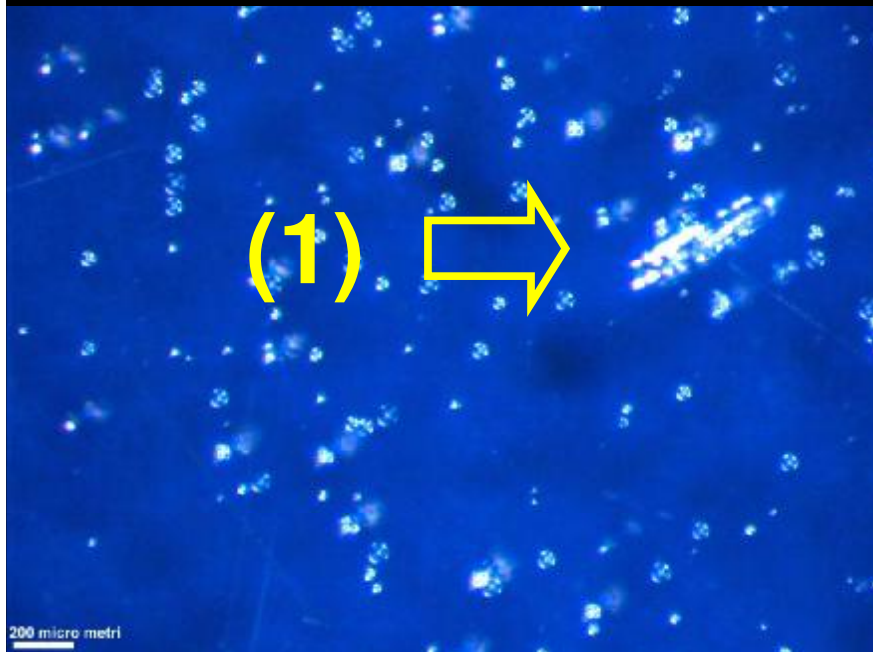
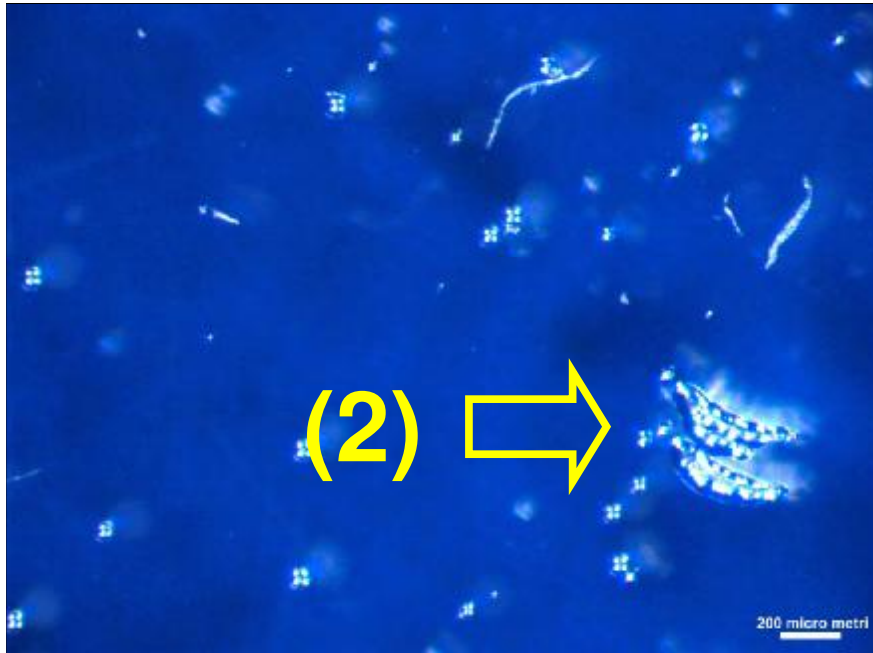
200 micro metri





The nuclear energy generated by the standard Uranium nuclear reactor at ENEA - Casaccia Rome is visible as a thick track on a Boron corrected polycarbonate chip (CR39 type)

200 micro metri



**The energy
generated by the
ultrasound reactor**

(2)

**is twice as that of
the energy collected
by a neutron channel
of a standard
Uranium nuclear
reactor working at 3
Watts (1)**