

NUCLEAR



ACCELERATED AGING UNDER IRRADIATION

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Scientific platform

- mechanical characterization of control materials, irradiated materials or materials assembled by welding, in partnership with research laboratories

Realistic environments

- faithful reproduction of particular irradiation, temperature and atmosphere conditions

Safety culture

- heritage of CERAP 30 years' experience in the nuclear field, mastering specific requirements

SPATIAL

Materials subjected to irradiation experience structural modifications susceptible to impact their chemical and physical properties. It is therefore essential for manufacturers implementing equipment in hostile environments – in nuclear, space or defense industries – to evaluate these effects in order to establish **an appropriate preventive maintenance plan.**

Due to its ability to irradiate material samples with electron beams or X-rays, at a controlled temperature, **ATRON** allows **a fine evaluation of irradiation effects on materials.**