

Sintering of UOX and MOX fuels

Wednesday, 2 September 2026 09:00 (30 minutes)

The sintering of UOX and MOX fuels has been investigated by high temperature dilatometer tests, in different atmospheres and in function of the plutonium content .

The presentation will focus on the construction of the sintering trajectories, on the determination of the apparent activation energy for densification and, when possible, on the determination of the densification mechanisms regarding the plutonium content and the atmosphere used.

Statistical tests have also been performed to compare the grain size at the periphery and at the center of some sintered pellets of interest.

Professional Status of the Speaker

Senior Scientist

Interest in submitting a paper in a special issue of

No interest

Invitation letter for visa

No

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Session Classification: Conventional sintering and sintering atmospheres

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