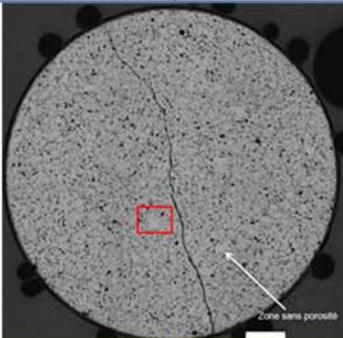
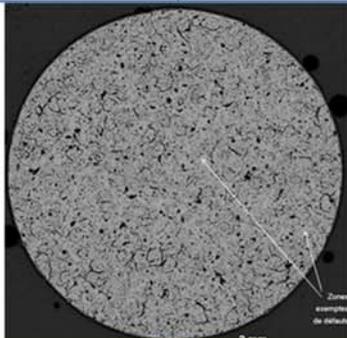
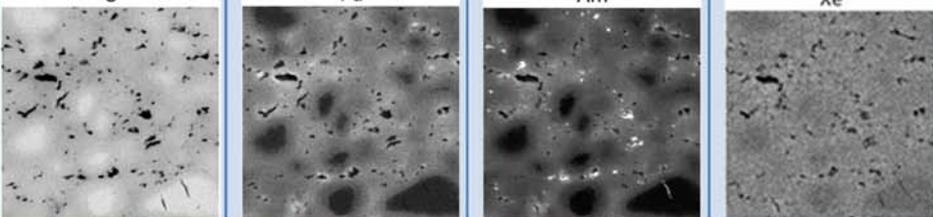
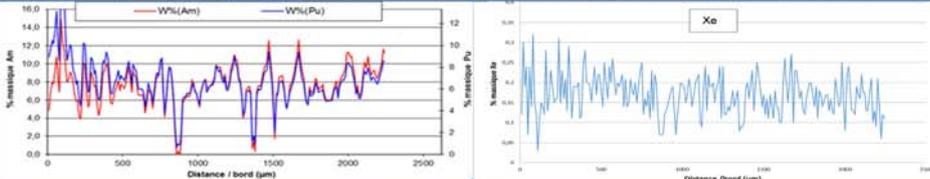


	Pin #1	Pin #2	Pin #3	Pin #4
Microstructure	High density / low porosity	High density / low porosity	Low density / tailored porosity	Low density / tailored porosity
Power density at EOI (W/cc)	412	542	492	364
Temperature (°C)	990	1370	1180	980
Puncturing results (large uncertainties ~20%, unexpected presence of argon)	100% He release (assuming no release during cooling time)			
	17% Kr release	80% Kr release	48% Kr release	15% Kr release
	10% Xe release	87% Xe release	47% Xe release	13% Xe release
Number of fragments, Visual inspection	4 disks in 3 frag [†] 1 disk intact 1 disk in 5 frag [†]	5 disks in 2 frag [†] 1 disk intact	4 disks: 6-8 frag [†] 1 disk in 12 frag [†] 1 disk in 14 frag [†]	5 disks intact 1 disk in 2 frag [†]
Geometrical density variation	Not significant: no swelling		Not measurable	Not significant: no swelling
Hydrostatic density variation	Not significant		Densification ~5%	Densification ~7%
Optical macro/ microscopy (+SEM)				
EPMA: Pin #1 (similar results for pin #4) X maps of mid-width central area				
				
Radial profiles	Comparison M measurement C calculation	Transmutation rate M : T _T =45.7% C : T _T =45.9%	FPs: Nd M: wt%= 0.12% C: wt%= 0.11%	Fisson gas: Xe M: wt%= 0.17% C: wt%= 0.15%
SIMS : Pin #1	Detection of He, other ele ^{ts} : measured/calculated isotopic ratios consistent			
XRD : Pin #1	No significant phase modification			