

Test	SUPERFACT	Am1	AFC-2C&2D	SPHERE	GACID
date	80's	2008	2008-2010	ready for irradiation	under preparation
participants	CEA / JRC-ITU	JAEA	DOE-INL	FAIRFUELS	GACID-PMB
reactor	PHENIX	JOYO	ATR	HFR	JOYO/MONJU
fuel form	pellets	pellets	pellets	pellets & spherepac	pellets
Am content	2%	2-5%	2%	4%	3%
MA compounds synthesis process	Sol-gel	powder metallurgy	powder metallurgy	gelation & Am infiltration	co-precipitation
Burn-up	6.5at%	10 min & 24h	8 & 19at%	-	-
Linear Heat Rate (kW.m⁻¹)	~38	43	<30	-	-

Table 1 : List of MADF irradiation tests done, in progress or in preparation at the emerging stage of PELGRIMM