

Réactor	Construction duration	Date of 1st criticality	Main Use	Medical Production yes or no	Power (MW)
JHR		2022 -expected	Multipurpose	yes	100
CONSORT					
TRIGA Mainz	4 years	Aug 65	Multipurpose	no	0.1
TRIGA RC-1	~5 years	1960	Multipurpose	No (at the moment)	1
Jožef Stefan Institute TRIGA	1962-1966	31 May 1966	Research (NAA, radiation hardness study, computer code validation, testing new types of detectors etc.) and Training	In past	0,25

TRIGA MKII Pavia Italy	not defined	1965	Multipurpose	no	0,25
BER II	1970 -1973	December 1973	Multipurpose	No	10
JEEP II	1960-1967	1966	Neutron source	Yes (tiny amounts)	2
BRR	1956-1959	25. March 1959	Multipurpose	no	10
ATI	August 1959-March 1962	7 March 1962	Beamtube experiments, Neutron activation	No	0,25
LVR15	2 years !	december 1957	Multipurpose	yes	10

LR-0	5 years refurbishing from heavy water moderated reactor TR-0	december 1982	Reactor physics	no	0,005
RPI	1959-1961	1961	Multipurpose	no	1

(#) (i) Production of and experiments with ultra-c

Date of last Safety Review	Date of next planned Safety Review	Expected date of Definitive Shutdown	Current Programme	Staff for operation	Staff for experimentation
None	review for start up autorisation- expected 2021	Expected 1st criticality + 50 years (2072)	in definition	87	50
		Shutdown 2012			
2017	n.a.	not before 2030	(i) Production of and experiments with ultra-cold neutrons, (ii) Penning-Trap Mass-Spectrometry of radioactive nuclei, (iii) Neutron ctivation Analysis, (iv) Tracer production, (v) Education and training		
2015	2020	--	Training, radiation damage, isotope production, University students education	8	5
2014	2022	2043	We operate on demand, about 600 h per year.	4	20

quinquennial safety review 2014, each years self assessment in application of the code of conduct	next year	not defined	Educational, training, material tests, NAA, PGNAA, BNCT, metrology	11	external researchers about 20
2014	2024	December 2019	Neutron Scattering	24	28
IAEA - 2017		Nothing defined.		20	20
2013	2023	2043	beam experiments, MTR-material aging, isotope production, education&training	45	30
2017	review if neccessary due to major changes	Not planned till now	university utilization	8	8
2010	2020	2028	210 opdays / year, production Mo99 and other RN, Si doping, irradiation of structural materials (steels, concrete), qualification of instrumentation, ...), training, neutron physics (diffraction, scattering, depth profiling, radiography on horiz. beams)	35	50

2010	2020	2025	training, benchmarking & validation of nuclear data and codes, transport of neutrons in VVER fuel, shielding and materials for GIV (Pb, FLiBe, graphite, ...), space kinetics	7	10
2013	n/a	2016	transition to decom	13	n/a

old neutrons, (ii) Penning-Trap Mass-Spectrometry of radioactive nuclei, (iii) Neutron ctivation Analysis, (iv) Tracer production, (v)