

Material	Size	Isotope	Purity Level		Background Rate [Hz]	
			ppb	Bq/kg	Singles	9-block Triples
Laboratory Walls	392 tons	^{238}U	560	6.9	27	4.9
		^{232}Th	750	3.0	39	5.3
		^{40}K	170	53	14	1.9
Water in Buffer	100 tons	^{238}U	0.001	$1 \cdot 10^{-5}$	0.01	$2 \cdot 10^{-3}$
		^{232}Th	0.001	$4 \cdot 10^{-6}$	0.006	$1 \cdot 10^{-3}$
		^{40}K	$3 \cdot 10^{-5}$	$1 \cdot 10^{-5}$	0.002	$2 \cdot 10^{-4}$
Steel Buffer Tanks	1968 kg	^{238}U	0.1	0.0012	0.03	0.003
		^{232}Th	0.1	0.0004	0.19	0.03
		^{60}Co		0.001	1.04	0.17
Steel support columns	240 kg	^{238}U	0.6	0.0074	0.03	0.003
		^{232}Th	4	0.016	0.93	0.13
		^{60}Co		4.3	0.39	0.06
I-beams	257 kg	^{238}U	0.5	0.0062	0.02	0.003
		^{232}Th	2	0.0081	0.5	0.07
		^{60}Co		22	2.03	0.34
Steel Support Strips	475 kg	^{238}U	0.1	0.0012	0.023	0.006
		^{232}Th	0.1	0.0004	0.12	0.03
		^{60}Co		0.001	0.47	0.15
Stainless steel axles	12.4 kg	^{238}U	7	0.086	0.04	0.01
		^{232}Th	20	0.081	0.63	0.16
		^{60}Co		73	0.97	0.31
Photo-tubes	264 tubes	^{238}U	1.2 Bq/PMT		0.72	0.10
		^{232}Th	0.8 Bq/PMT		0.78	0.12
		^{40}K	5 Bq/PMT		0.37	0.06
Radon	6165 l	^{222}Rn	25 mBq/l		27	7.3
		^{222}Rn	2.5 mBq/l		2.7	0.73
Acrylic Tanks	3535 kg	^{238}U	0.017	$2 \cdot 10^{-4}$	0.19	0.055
		^{232}Th	0.021	$9 \cdot 10^{-5}$	0.087	0.029
		^{40}K	$3 \cdot 10^{-4}$	$1 \cdot 10^{-4}$	0.014	0.003
TOTAL Background Rate:					92	13.6