

$$\mathcal{L}_\nu^{\text{Dirac}} = -\frac{v}{\sqrt{2}}\bar{\nu}_L Y^\nu \nu_R + \text{h.c.} \quad (1)$$

$$\mathcal{L}_\nu^{\text{Majorana}} = \frac{1}{2}m_\nu\bar{\nu}_L^c\nu_L + \text{h.c.} \quad (2)$$

$$T_{1/2}^{0\nu} > \frac{\mathcal{N}_A \ln 2}{M} \times \frac{\epsilon_{0\nu} \times m \times t}{N_{0\nu}^{\text{excl.}}} \quad (3)$$

$$(T_{1/2}^{0\nu})^{-1} = g_A^4 G^{0\nu} |M^{0\nu}|^2 \left| \frac{\langle m_{\beta\beta} \rangle}{m_e} \right|^2 \quad (4)$$

$$\langle m_{\beta\beta} \rangle = \left| \sum_i m_i U_{ei}^2 \right| \quad (5)$$

$$T_{1/2}^{0\nu} > 5.35 \times 10^{24} \text{ y} \quad (90\% \text{CL}) \quad (6)$$

Activity ROI	Specified [2.7;3.15] MeV	Measured (w/o ^{214}Bi) [2.75;2.95] MeV	Measured (w/ ^{214}Bi) [2.7;2.9] MeV
$\epsilon_{0\nu}$	14.7%	11.3%	14.3%
$2\nu\beta\beta$	0.418	0.122	0.418
^{208}Tl	0.0475	0.688	0.699
^{214}Bi	0.0546	0	1.55
^{222}Rn	0.292	0.173	0.287
Total	0.812	0.983	2.95

$$(\Sigma_t^{0,1})^2 = \frac{(\sigma_t^0)^2}{\bar{E}_0} + \frac{(\sigma_t^1)^2}{\bar{E}_1} \quad (7)$$

$$(\Sigma_t^{0,2})^2 = \frac{(\sigma_t^0)^2}{\bar{E}_0'} + \frac{(\sigma_t^2)^2}{\bar{E}_2} \quad (8)$$

Cut-off ROI (MeV)	First-order [2.7;2.9]	$P_{int} > 4 \%$ [2.7;3.25]	$ \Delta Z < 80 \text{ mm}$ [2.7;3.3]
$\epsilon_{0\nu}$	14.3%	14.1%	13.9%
$2\nu\beta\beta$	0.418	0.392	0.383
^{208}Tl	0.699	1.08	1.09
^{214}Bi	1.55	1.42	1.42
^{222}Rn	0.287	0.115	0.0782
Total	2.95 3.01	2.97	

$$(\Sigma_t^{1,2})^2 = \frac{(\sigma_t^1)^2}{\bar{E}_1'} + \frac{(\sigma_t^2)^2}{\bar{E}_2'} \quad (9)$$