

COPPER

Density: 8.92 g/cm³.

1 ppb of the parent isotope.

Results in n / (s cm³)

COPPER	Our draft	XENON1T calculation	EDELWEISS paper
U238 -> Ra226	0	0	/
Ra226 -> Pb206	2.8e-12	2.7e-12	/
Whole U chain	2.8e-12	2.7e-12	1.2e-10
Th232 -> Th228	0	0	/
Th228 -> Pb208	9.5e-12	1.3e-11	/
Whole Th chain	9.5e-12	1.3e-11	8.3e-12

PTFE

Density: 2.2 g/cm³.

1 ppb of the parent isotope.

Results in n / (s cm³)

PTFE	Our draft	XENON1T calculation	EDELWEISS paper
U238 -> Ra226	2.6e-10 1.8E-10	1.7e-10	/
Ra226 -> Pb206	1.6e-9	1.5e-9	/
Whole U chain	1.9e-9 1.8E-9	1.7e-9	1.9e-9
Th232 -> Th228	6.3e-11 7.1E-12	6.5e-12	/
Th228 -> Pb208	7.7e-10	9.3e-10	/
Whole Th chain	8.3e-10 7.8E-10	9.3e-10	7.7e-10

Poly

Density: 0.94 g/cm³.

1 ppb of the parent isotope.

Results in n / (s cm³)

Poly	Our draft	XENON1T calculation	EDELWEISS paper
U238 -> Ra226	2.2e-12 1.6E-12	1.6e-12	/
Ra226 -> Pb206	1.1e-11	8.7e-12	/
Whole U chain	1.3e-11	1.0e-11	2.7e-11
Th232 -> Th228	4.9e-13 1.6E-13	1.2e-13	/
Th228 -> Pb208	5.1e-12	5.2e-12	/
Whole Th chain	5.6e-12 5.3E-12	5.3e-12	5.9e-12