



- With more sensitive radioxenon stations being implemented, there is potential for added impact from non-traditional isotopes.
- Need to evaluate the impact of these different signals on the network

- With the network of radioxenon stations in the IMS, what is the potential impact of these potential sources on the measurement of traditional radioxenon isotopes

Nuclide	Half-life (s)	Activity (Ci) shutdown year 40	Decay time Down 3.00E+01 m	
Xe	119	3.48E+02	8.43E-01	2.34E-02
Xe	121	2.41E+03	1.27E+01	7.57E+00
Xe	122	7.24E+04	8.44E+00	8.29E+00
Xe	123	7.49E+03	2.46E+01	2.08E+01
Xe	125	6.08E+04	9.80E+01	9.65E+01
Xe	125*	5.70E+01	1.20E+01	3.75E-09
Xe	127	3.15E+06	1.08E+02	1.08E+02
Xe	127*	6.92E+01	2.12E+00	3.13E-08
Xe	129*	7.68E+05	6.17E+00	6.16E+00
Xe	131*	1.03E+06	4.43E+00	4.42E+00
Xe	133	4.53E+05	8.56E+00	8.55E+00
Xe	133*	1.89E+05	4.44E-01	4.42E-01
Xe	134*	2.90E-01	3.66E-02	6.33E-07
Xe	135	3.29E+04	3.00E+00	2.89E+00

