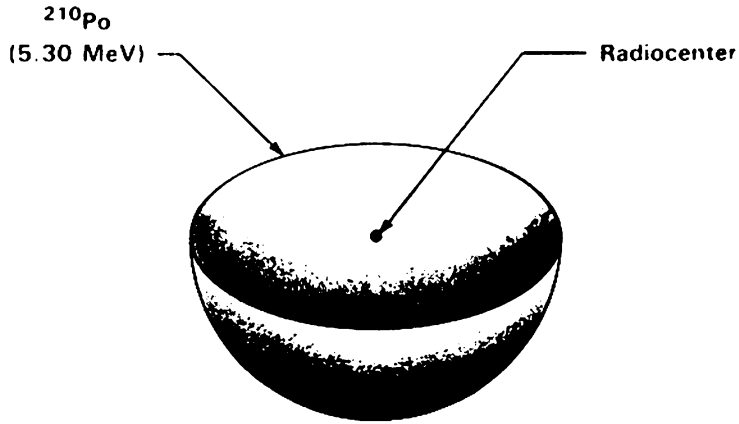
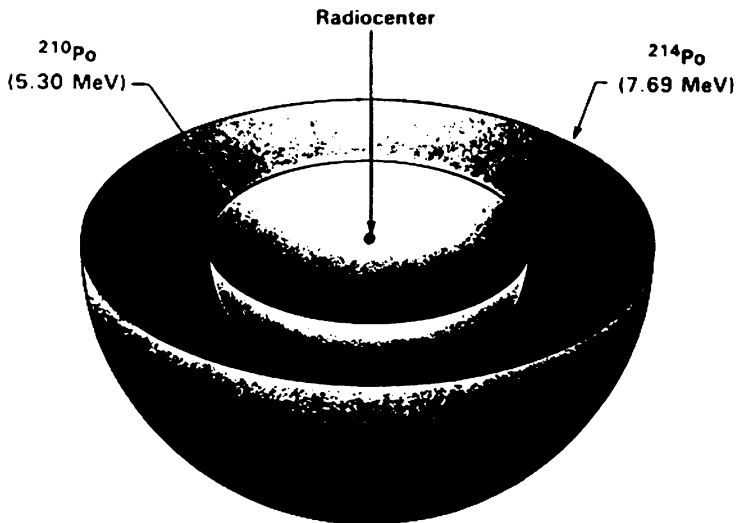


CROSS-SECTION OF A POLONIUM 210 HALO



POLONIUM 210 HALO—An idealized cross section of a polonium 210 halo. Its alpha particles have 5.30 MeV (million electron volts) of energy. Polonium 210 (Po-210) has a half-life of 138.4 days. Its eventual daughter product, lead 210 (Pb210) which does not emit halo-producing alpha particles, has a half-life of 22 years, and then becomes non-radioactive lead 206 (Pb206).

CROSS-SECTION OF A POLONIUM 214 HALO



POLONIUM 214 HALO—An idealized cross section of a polonium 214 halo. Its alpha particles have 7.69 MeV (million electron volts) of energy. Polonium 214 (Po-214) has a half-life of 164 microseconds. A later daughter product, polonium 210, also emits alpha particles—and for that reason also produces a radioactive halo.