

Anlage 4 Tabelle 2 StrlSchV

Liste der Radionuklide und deren Tochternuklide

Mutternuklid	Tochternuklide
Mg-28+	Al-28
Si-32+	P-32
Ca-45+	Sc-45m
Sc-44m+	Sc-44
Ti-44+	Sc-44
Fe-52+	Mn-52m
Fe-60+	Co-60, Co-60m
Co-62m+	Co-62
Ni-66+	Cu-66
Zn-62+	Cu-62
Zn-69m+	Zn-69
Zn-72+	Ga-72, Ga-72m
Ga-73+	Ge-73m
Ge-68+	Ga-68
As-73+	Ge-73m
Se-81m+	Se-81
Br-80m+	Br-80
Br-83+	Kr-83m
Kr-88+	Rb-88
Rb-81+	Kr-81m
Rb-81m+	Kr-81m
Rb-83+	Kr-83m
Sr-80+	Rb-80
Sr-82+	Rb-82
Sr-89+	Y-89m
Sr-90+	Y-90
Sr-91+	Y-91m
Y-87+	Sr-87m
Zr-86+	Y-86, Y-86m
Zr-89+	Y-89m
Zr-95+	Nb-95m
Zr-97+	Nb-97, Nb-97m
Nb-89+	Zr-89m
Nb-89m+	Zr-89m

Mutternuklid	Tochternuklide
Nb-90+	Zr-90m
Mo-90+	Nb-90m, Nb-90n
Mo-99+	Tc-99m
Mo-101+	Tc-101
Tc-95m+	Tc-95
Ru-105+	Rh-105m
Ru-106+	Rh-106
Pd-100+	Rh-100
Pd-103+	Rh-103m
Pd-109+	Ag-109m
Ag-108m+	Ag-108
Ag-110m+	Ag-110
Cd-104+	Ag-104m
Cd-107+	Ag-107m
Cd-109+	Ag-109m
Cd-115+	In-115m
Cd-115m+	In-115m
Cd-117+	In-117, In-117m
Cd-117m+	In-117, In-117m
In-111+	Cd-111m
In-114m+	In-114
In-117m+	In-117
In-119m+	In-119
Sn-110+	In-110m
Sn-111+	In-111m
Sn-113+	In-113m
Sn-121m+	Sn-121
Sn-126+	Sb-126, Sb-126m, Sb-126n
Sn-128+	Sb-128m
Sb-125+	Te-125m
Sb-127+	Te-127
Sb-129+	Te-129
Te-116+	Sb-116
Te-127m+	Te-127

Mutternuklid	Tochternuklide
Te-129m+	Te-129
Te-131m+	Te-131
Te-132+	I-132
Te-133m+	Te-133
I-135+	Xe-135m
Xe-122+	I-122
Cs-137+	Ba-137m
Ba-126+	Cs-126
Ba-128+	Cs-128
Ce-134+	La-134
Ce-137m+	Ce-137
Ce-144+	Pr-144, Pr-144m
Pr-139+	Ce-139m
Nd-136+	Pr-136
Nd-138+	Pr-138
Nd-139m+	Ce-139m, Pr-139, Nd-139
Pm-141+	Nd-141m
Sm-141m+	Nd-141m, Pm-141, Sm-141
Sm-142+	Pm-142
Gd-146+	Eu-146
Ho-157+	Dy-157m
Ho-162m+	Ho-162
Ho-164m+	Ho-164
Ho-167+	Er-167m
Er-161+	Ho-161, Ho-161m
Tm-167+	Er-167m
Tm-175+	Yb-175m
Yb-166+	Tm-166, Tm-166m
Yb-178+	Lu-178
Lu-169+	Yb-169m
Lu-177m+	Lu-177, Hf-177m
Lu-178m+	Hf-178m
Hf-170+	Lu-170m
Hf-172+	Lu-172, Lu-172m
Hf-177n+	Hf-177m
Hf-178n+	Hf-178m
Hf-182+	Ta-182
Hf-182m+	Ta-182m, Ta-182n
Ta-178m+	Hf-178m
Ta-182n+	Ta-182m

Mutternuklid	Tochternuklide
Ta-183+	W-183m
W-178+	Ta-178
W-188+	Re-188
Re-186m+	Re-186
Re-189+	Os-189m
Os-180+	Re-180
Os-191+	Ir-191m
Os-194+	Ir-194
Ir-189+	Os-189m
Ir-195m+	Ir-195
Pt-186+	Ir-186m
Pt-191+	Ir-191m
Pt-197m+	Au-197m
Pt-200+	Au-200
Au-200m+	Au-200
Hg-193+	Au-193m
Hg-193m+	Au-193m, Hg-193
Hg-194+	Au-194
Hg-195+	Au-195m
Hg-195m+	Au-195m, Hg-195
Hg-197m+	Au-197m
Pb-195m+	Tl-195m
Pb-202+	Tl-202
Pb-210+	Hg-206, Tl-206, Bi-210, Po-210
Pb-211+	Tl-207, Bi-211, Po-211
Pb-212+	Tl-208, Bi-212, Po-212
Pb-214+	Tl-210, Bi-214, Po-214
Bi-201+	Tl-197m, Pb-201m
Bi-203+	Tl-199, Tl-199m, Pb-203m
Bi-205+	Pb-205m
Bi-210+	Tl-206
Bi-210m+	Tl-206
Bi-211+	Po-211
Bi-212+	Tl-208, Po-212
Bi-213+	Tl-209, Po-213
Bi-214+	Tl-210, Po-214
At-211+	Po-211
Rn-220+	Po-216
Rn-222+	Tl-210, Pb-209, Pb-214, Bi-214, Po-214, Po-218, At-218, Rn-218

Mutternuklid	Tochternuklide
Fr-222+	Po-214, Rn-218, Ra-222
Fr-223+	Tl-207, Bi-211, Bi-215, Po-211, Po-215, At-215, At-219, Rn-219
Ra-223+	Tl-207, Pb-211, Bi-211, Po-211, Po-215, At-215, Rn-219
Ra-224+	Tl-208, Pb-212, Bi-212, Po-212, Po-216, Rn-220
Ra-226+	Tl-210, Pb-209, Pb-214, Bi-214, Po-214, Po-218, At-218, Rn-218, Rn-222
Ra-228+	Ac-228
Ac-224+	Tl-208, Bi-212, Po-212, At-216, Rn-216, Fr-220, Ra-220
Ac-225+	Tl-209, Pb-209, Bi-213, Po-213, At-217, Rn-217, Fr-221
Ac-226+	Po-214, Rn-218, Fr-222, Ra-222, Th-226
Ac-227+	Tl-207, Pb-211, Bi-211, Bi-215, Po-211, Po-215, At-215, At-219, Rn-219, Fr-223, Ra-223, Th-227
Th-226+	Po-214, Rn-218, Ra-222
Th-228+	Tl-208, Pb-212, Bi-212, Po-212, Po-216, Rn-220, Ra-224
Th-229+	Tl-209, Pb-209, Bi-213, Po-213, At-217, Rn-217, Fr-221, Ra-225, Ac-225
Th-232+	Tl-208, Pb-212, Bi-212, Po-212, Po-216, Rn-220, Ra-224, Ra-228, Ac-228, Th-228
Th-234+	Pa-234, Pa-234m
Pa-227+	Tl-207, Bi-211, Po-211, At-215, Fr-219, Ac-223
Pa-228+	Tl-208, Bi-212, Po-212, At-216, Rn-216, Fr-220, Ra-220, Ac-224
Pa-230+	Po-214, Rn-218, Fr-222, Ra-222, Ac-226, Th-226
U-230+	Po-214, Rn-218, Ra-222, Th-226
U-232+	Tl-208, Pb-212, Bi-212, Po-212,

Mutternuklid	Tochternuklide
	Po-216, Rn-220, Ra-224, Th-228
U-235+	Th-231
U-238+	Th-234, Pa-234, Pa-234m
U-238sec	Th-234, Pa-234m, U-234, Th-230, Ra-226, Rn-222, Po-218, Pb-214, Bi-214, Pb-210, Bi-210, Po-210, Po-214
U-240+	Np-240
Np-237+	Pa-233
Pu-239+	U-235m
Pu-241+	U-237
Pu-244+	U-240, Np-240
Pu-245+	Am-245
Pu-246+	Am-246m
Am-237+	Np-233, Pu-237m
Am-242m+	Np-238, Am-242, Cm-242
Am-243+	Np-239
Cm-238+	Am-238
Cm-247+	Pu-243
Cm-250+	Pu-246, Am-246m
Bk-246+	Am-242, Am-242n
Bk-249+	Am-245
Cf-253+	Cm-249
Es-254+	Bk-250
Es-254m+	Bk-250, Fm-254
Md-258+	Fm-254, Fm-258, No-258
Ra-226++	Rn-222, Po-218, Pb-214, Bi-214, Pb-210, Bi-210, Po-210, Po-214
U-238sec	Th-234, Pa-234m, U-234, Th-230, Ra-226, Rn-222, Po-218, Pb-214, Bi-214, Pb-210, Bi-210, Po-210, Po-214