ISuS Photon-Energies in Energy-Order per Isotope

First Edition: Version 1.2.0, W.Wahl

Energy		Decay Information	Intensity		Isotope	Half-life
Photons		Daughter x-rays	absolute & .		mother	isotope &
x-rays		DE/SE/XE, CS/RS	equilibrium		daughter/mother	mother/daughter
in keV		(n,γ), (n,n'γ), ..	*in %*		induced radiation	equilibrium
bold face:		→ isotope main line(s)	excited states		Ge-interaction	stable
0,640		Mn-Sum-K_α	6,600E-01		**Fe-55**	2,744 y
0,849		Ne-Sum-K_α	1,600E-01		**Na-22**	2,6027 y
2,420		Tc-Sum-L	1,970E-01		**Mo-99**	65,976 h
2,420		Tc-Sum-L	4,500E-01		**Tc-99m**	6,0072h
2,700		Rh-Sum-L	4,000E+00		**Rh-103m**	56,114 m
2,700		Rh-Sum-L	4,030E+00		**Ru-103**	39,247 d
3,290		In-Sum-L	8,600E+00		**Sn-113**	115,09 d
3,770		Xe-Sum-L	7,800E+00		**I-123**	13,2243 h
3,770		Xe-Sum-L	1,480E+01		**I-125**	59,400 d
3,770		Te-Sum-L	4,600E+00		**Te-129m**	33,6 d
3,940		I-Sum-L	7,800E+00		**Te-132**	3,204 d
4,090		Sc-Sum-K_α	1,670E+01		**Ti-44**	59,1 y
4,110		Xe-Sum-L	6,300E-01		**I-131**	8,0252 d
4,110		Xe-Sum-L	2,890E-01		**I-133**	20,83 h
4,110		Xe-Sum-L	8,200E+00		**Xe-131m**	11,84 d
4,110		Xe-Sum-L	7,500E+00		**Xe-133m**	2,198 d
4,290		Cs-Sum-L	5,800E+00		**Xe-133**	5,2475 d
4,300		Xe-Sum-L	7,000E+00		**I-129**	1,57E+7 y
4,461		Sc-Sum-K_β	1,810E+00		**Ti-44**	59,1 y
4,470		Ba-Sum-L	9,700E-01		**Cs-137**	30,08 y
4,530		Cs-Sum-L	1,450E+01		**Ba-133**	10,551 y
4,650		La-Sum-L	1,340E+01		**Ba-140**	12,7527 d
4,840		Ce-Sum-L	3,900E-01		**La-140**	40,2852 h
4,950		V-Sum-K_α	2,020E+01		**Cr-51**	27,701 d
5,000		V-Sum-K	2,289E+01		**Cr-51**	27,701 d
5,030		Pr-Sum-L	2,500E+00		**Ce-141**	32,513 d
5,030		Pr-Sum-L	9,000E+00		**Ce-143**	33,039 h
5,030		Pr-Sum-L	1,520E+00		**Ce-144**	284,91 d
5,030		Pr-Sum-L	1,050E+01		**Pr-144m**	7,20 m
5,411		Cr-Sum-K_α	2,200E+01		**Mn-54**	312,05 d
5,430		V-Sum-K_β	2,690E+00		**Cr-51**	27,701 d
5,464		Cr-Sum-K	2,450E+01		**Mn-54**	312,05 d
5,888		Mn-$K_{\alpha 2}$	8,450E+00		**Fe-55**	2,744 y
5,895		Mn-Sum-K	2,501E+01		**Fe-55**	2,744 y
5,899		Mn-$K_{\alpha 1}$	1,656E+01		**Fe-55**	2,744 y
5,947		Mn-Sum-K_β	2,480E+00		**Mn-54**	312,05 d
6,399		Fe-Sum-K_α	2,266E+01		**Co-56**	77,236 d
6,399		Fe-Sum-K_α	4,950E+01		**Co-57**	271,74 d
6,399		Fe-Sum-K_α	2,350E+01		**Co-58**	70,86 d
6,480		Fe-Sum-K	2,530E+01		**Co-56**	77,236 d
6,480		Fe-Sum-K	5,660E+01		**Co-57**	271,74 d
6,480		Fe-Sum-K	2,673E+01		**Co-58**	70,86 d
6,490		Mn-$K_{\beta 1,3}$	3,400E+00		**Fe-55**	2,744 y
6,925		Co-Sum-K_α	1,810E-02		**Fe-59**	44,495 d
7,058		Fe-Sum-K_β	3,050E+00		**Co-56**	77,236 d
7,058		Fe-Sum-K_β	5,910E+00		**Co-57**	271,74 d
7,058		Fe-Sum-K_α	3,230E+00		**Co-58**	70,86 d
7,466		Ni-Sum-K_α	9,670E-03		**Co-60**	5,2714 y
7,649		Co-Sum-K_β	2,180E-03		**Fe-59**	44,495 d
8,048		Cu-Sum-K_α	2,260E+01		**Zn-65**	243,93 d
8,151		Cu-Sum-K	3,830E+01		**Zn-65**	243,93 d
8,220		β–decay, single low energy γ–transition	1,900E+01		**Th-233**	21,83 m
8,265		Ni-Sum-K_β	1,160E-03		**Co-60**	5,2714 y
8,400		W-Sum-L, excitation	fluorescence		**W-184/6/2/3**	stable
8,410			3,590E-01		**Yb-169**	32,018 d
8,410		ß-decay, very low γ–transitions	1,700E-01		**Er-169**	9,392 d

SE/DE/XE: Single/Double/X-ray Esape; CS/RS: Coincidence-/Random-Summing (Sum-Energies);