

I/18B: Energy Structure of Nuclear Levels - $Z = 37 - 62$

Introduction for Chapters 4 and 5 (V.V. VORONOV, A.I. VDOVIN, A.N. STOROZHENKO)

4 Energy and structure of levels of the isotopes with $Z = 37$ to $Z = 49$ (V.V. VORONOV)

37-Rubidium	41-Niobium	46-Palladium
Rb-83	Nb-90	Pd-100
Rb-84	Nb-91	Pd-102
Rb-85	Nb-93	Pd-103
Rb-86	Nb-95	Pd-104
Rb-87		Pd-105
	42-Molybdenum	Pd-106
38-Strontium	Mo-92	Pd-107
Sr-82	Mo-93	Pd-108
Sr-84	Mo-94	Pd-109
Sr-85	Mo-95	Pd-110
Sr-86	Mo-96	Pd-112
Sr-87	Mo-97	
Sr-88	Mo-98	47-Silver
Sr-89	Mo-99	Ag-105
Sr-90	Mo-100	Ag-107
		Ag-108
39-Yttrium	43-Technetium	Ag-109
Y-87	Tc-95	Ag-110
Y-89	Tc-96	Ag-111
Y-90	Tc-97	
Y-91	Tc-99	48-Cadmium
Y-93		Cd-106
	44-Ruthenium	Cd-108
40-Zirconium	Ru-96	Cd-109
Zr-86	Ru-97	Cd-110
Zr-88	Ru-98	Cd-111
Zr-89	Ru-99	Cd-112
Zr-90	Ru-100	Cd-113
Zr-91	Ru-101	Cd-114
Zr-92	Ru-102	Cd-115
Zr-93	Ru-103	Cd-116
Zr-94	Ru-104	
Zr-95	Ru-106	49-Indium
Zr-96		In-111
Zr-97	45-Rhodium	In-113
	Rh-99	In-114
	Rh-101	In-115
	Rh-103	
	Rh-105	

5 Characteristics and structure of levels of the nuclides with $Z = 50$ to $Z = 62$

(A.I. VDOVIN, A.N STOROZHENKO)

50-Tin	53-Iodine	58-Cerium
Sn-112	I-125	Ce-134
Sn-113	I-126	Ce-136
Sn-114	I-127	Ce-138
Sn-115	I-129	Ce-139
Sn-116	I-131	Ce-140
Sn-117		Ce-141
Sn-118	54-Xenon	Ce-142
Sn-119	Xe-124	Ce-144
Sn-120	Xe-126	
Sn-121	Xe-127	59-Praseodymium
Sn-122	Xe-128	Pr-141
Sn-123	Xe-129	Pr-143
Sn-124	Xe-130	
Sn-125	Xe-131	60-Neodymium
Sn-126	Xe-132	Nd-140
	Xe-133	Nd-142
51-Antimony	Xe-134	Nd-143
Sb-121	Xe-136	Nd-144
Sb-122		Nd-145
Sb-123	55-Caesium	Nd-146
Sb-124	Cs-131	Nd-147
Sb-125	Cs-133	Nd-148
Sb-127	Cs-134	Nd-150
	Cs-135	
52-Tellurium	Cs-137	61-Promethium
Te-118		Pm-143
Te-119	56-Barium	Pm-145
Te-120	Ba-128	Pm-147
Te-121	Ba-130	Pm-148
Te-122	Ba-131	Pm-149
Te-123	Ba-132	
Te-124	Ba-133	62-Samarium
Te-125	Ba-134	Sm-144
Te-126	Ba-135	Sm-145
Te-127	Ba-136	Sm-146
Te-128	Ba-137	Sm-147
Te-129	Ba-138	Sm-148
Te-130	Ba-140	Sm-149
Te-132		Sm-150
	57-Lanthanum	Sm-151
	La-137	Sm-152
	La-139	Sm-154

Z = 37-62

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