

Nuclear States from Charged Particle Reactions – Tables of Excitations from Reactions with Charged Particles. Part 1

Introduction (S.I. SUKHORUCHKIN, Z.N. SOROKO)

General remarks

Data presentation

Interpretation of data of nuclear excitations

Conclusions

Acknowledgments

Tables (S.I. SUKHORUCHKIN, Z.N. SOROKO)

3-Lithium

Li-6
Li-7
Li-8
Li-9

4-Beryllium

Be-9
Be-10
Be-11

5-Boron

B-8
B-9
B-10
B-11
B-12
B-13
B-14

6-Carbon

C-11
C-12
C-13
C-14
C-15
C-16
C-17

7-Nitrogen

N-13
N-14
N-15
N-16
N-17

8-Oxygen

O-15
O-16
O-17
O-18
O-19
O-20

9-Fluorine

F-17
F-18
F-19
F-20
F-21
F-22
F-23

10-Neon

Ne-20
Ne-21
Ne-22
Ne-23
Ne-24
Ne-25

11-Sodium

Na-20
Na-21
Na-22
Na-23
Na-24
Na-25
Na-26
Na-27

12-Magnesium

Mg-21
Mg-22
Mg-23
Mg-24
Mg-25
Mg-26
Mg-27
Mg-28

13-Aluminium

Al-25
Al-26
Al-27
Al-28
Al-29

14-Silicon

Si-27
Si-28
Si-29
Si-30
Si-31
Si-32

15-Phosphorus

P-28
P-29
P-30
P-31
P-32
P-33
P-34

16-Sulfur

S-30
S-31
S-32
S-33
S-34
S-35
S-36
S-37

17-Chlorine

Cl-31
Cl-32
Cl-33
Cl-34
Cl-35
Cl-36
Cl-37
Cl-38
Cl-39

18-Argon

Ar-36
Ar-37
Ar-38
Ar-39
Ar-40
Ar-41
Ar-42
Ar-43
Ar-44
Ar-45

19-Potassium

K-38
K-39
K-40
K-41
K-42
K-43
K-44
K-45
K-46
K-47
K-48

20-Calcium

Ca-39
Ca-40
Ca-41
Ca-42
Ca-43
Ca-44
Ca-45
Ca-46
Ca-47
Ca-48
Ca-49
Ca-50
Ca-51
Ca-52

21-Scandium

Sc-40
Sc-41
Sc-42
Sc-43
Sc-44
Sc-45
Sc-46
Sc-47
Sc-48
Sc-49
Sc-50
Sc-51

22-Titanium

Ti-42
Ti-43
Ti-44
Ti-45
Ti-46
Ti-47
Ti-48
Ti-49
Ti-50
Ti-51
Ti-52

23-Vanadium

V-46
V-47
V-48
V-49
V-50
V-51
V-52
V-53
V-54

24-Chromium

Cr-47
Cr-48
Cr-49
Cr-50
Cr-51
Cr-52
Cr-53
Cr-54
Cr-55
Cr-56
Cr-57
Cr-58

25-Manganese

Mn-48
Mn-49
Mn-50
Mn-51
Mn-52
Mn-53
Mn-54
Mn-55
Mn-56
Mn-57
Mn-58

26-Iron

Fe-50
Fe-51
Fe-52
Fe-53
Fe-54
Fe-55
Fe-56
Fe-57
Fe-58
Fe-59
Fe-60
Fe-61
Fe-62

27-Cobalt

Co-53
Co-54
Co-55
Co-56
Co-57
Co-58
Co-59
Co-60
Co-61
Co-62
Co-63
Co-64

28-Nickel

Ni-55
Ni-56
Ni-57
Ni-58
Ni-59
Ni-60
Ni-61
Ni-62
Ni-63
Ni-64
Ni-65
Ni-66
Ni-67
Ni-68
Ni-69
Ni-70

29-Copper

Cu-57
Cu-58
Cu-59
Cu-60
Cu-61
Cu-62
Cu-63
Cu-64
Cu-65
Cu-66
Cu-67
Cu-68
Cu-69
Cu-70
Cu-71

30-Zinc

Zn-60
Zn-61
Zn-62
Zn-63
Zn-64
Zn-65
Zn-66
Zn-67
Zn-68
Zn-69
Zn-70
Zn-71
Zn-72

31-Gallium

Ga-64
Ga-65
Ga-66
Ga-67
Ga-68
Ga-69
Ga-70
Ga-71
Ga-72
Ga-73
Ga-75

32-Germanium

Ge-68
Ge-69
Ge-70
Ge-71
Ge-72
Ge-73
Ge-74
Ge-75
Ge-76
Ge-77
Ge-78

33-Arsenic

As-71
As-72
As-73
As-74
As-75
As-76
As-77
As-78
As-79
As-80
As-81

34-Selenium

Se-71
Se-72
Se-73
Se-74
Se-75
Se-76
Se-77
Se-78
Se-79
Se-80
Se-81
Se-82
Se-83
Se-84
Se-85

35-Bromine

Br-75
Br-76
Br-77
Br-78
Br-79
Br-80
Br-81
Br-82
Br-83
Br-84
Br-85
Br-86

36-Krypton

Kr-76
Kr-77
Kr-78
Kr-79
Kr-80
Kr-81
Kr-82
Kr-83
Kr-84
Kr-85
Kr-86
Kr-87
Kr-88

List of References