

Graphs of separation and decay energies

Figs.	1– 9.	S_{2n}	two-neutron separation energies.
Figs.	10–17.	S_{2p}	two-proton separation energies.
Figs.	18–26.	Q_{α}	α -decay energies.
Figs.	27–36.	$Q_{\beta\beta}$	double β -decay energies.

Mass numbers and element symbol are indicated only along the borders of the graphs; those for the intermediate points must be derived by enumeration.

Points represent experimental values.

Open circles represent values estimated from systematic trends.

Lines connect points for isotopes ($S_{2n}, Q_{\alpha}, Q_{\beta\beta}$) or isotones ($S_{2p}, Q_{\beta\beta}$).

Other types of graphs are available from the AMDC web-site (see text).

Fig. 1. Two-neutron separation energies $N = 0$ to 25

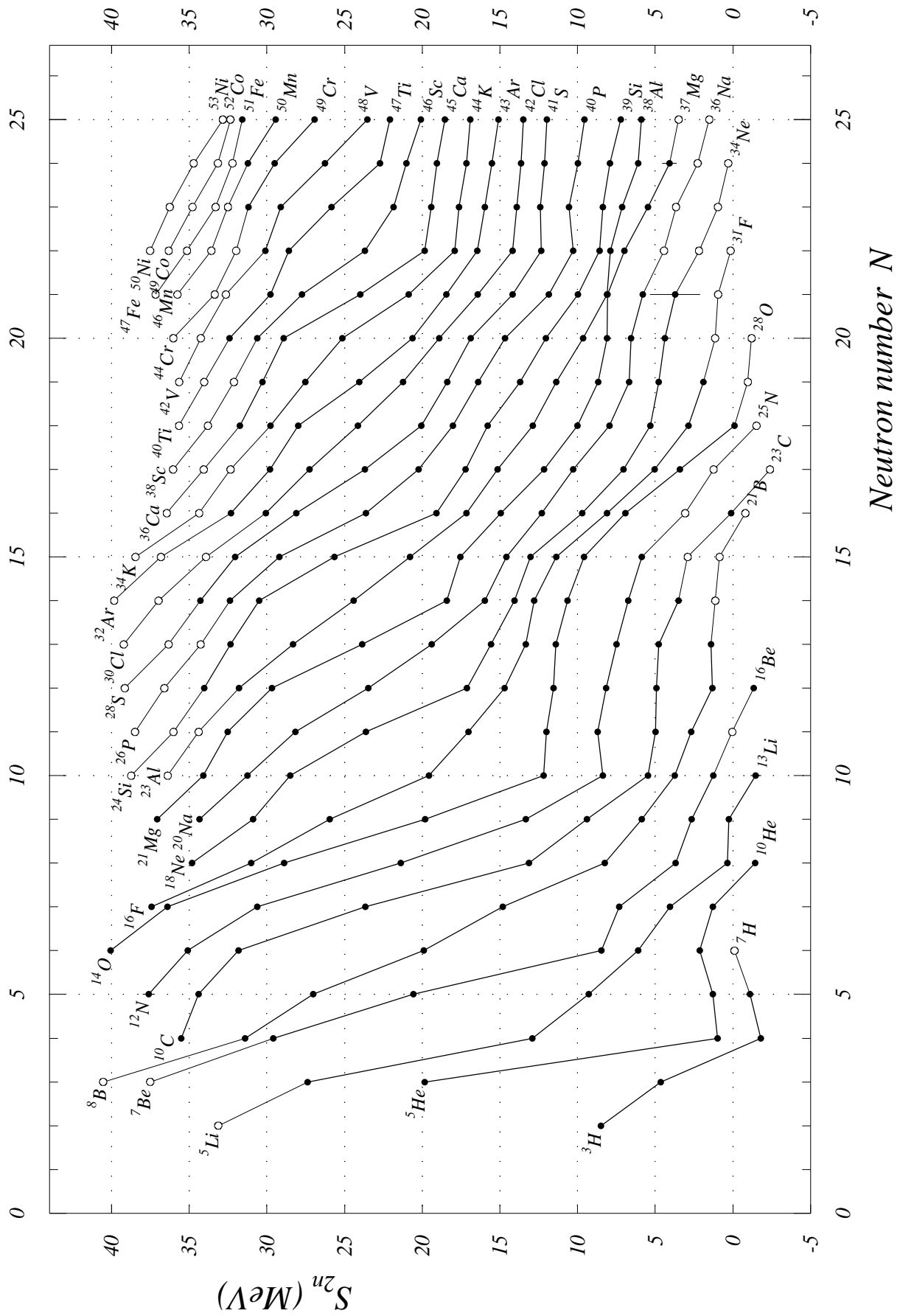


Fig. 2. Two-neutron separation energies $N = 22$ to 45

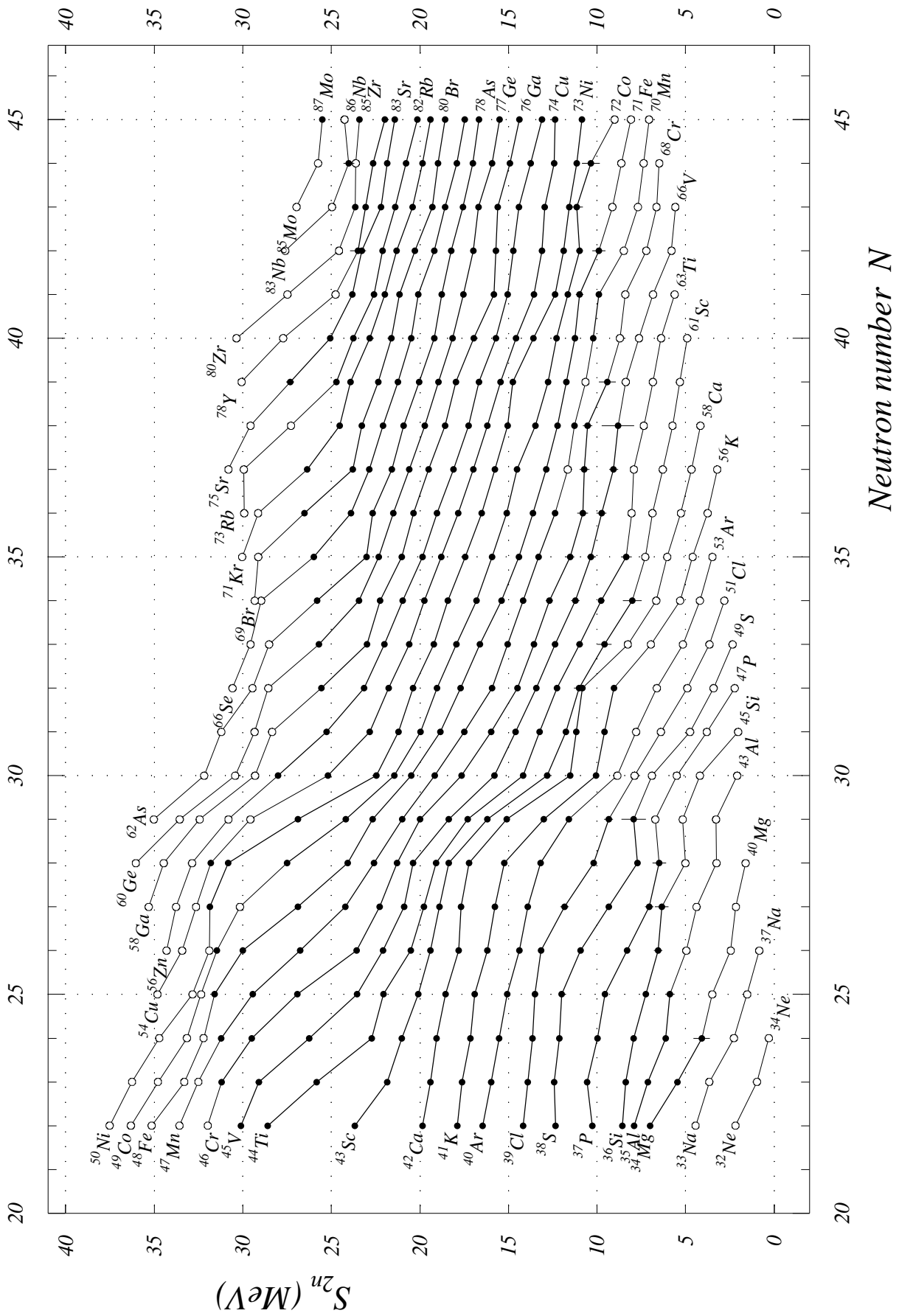


Fig. 3. Two-neutron separation energies $N = 42$ to 65

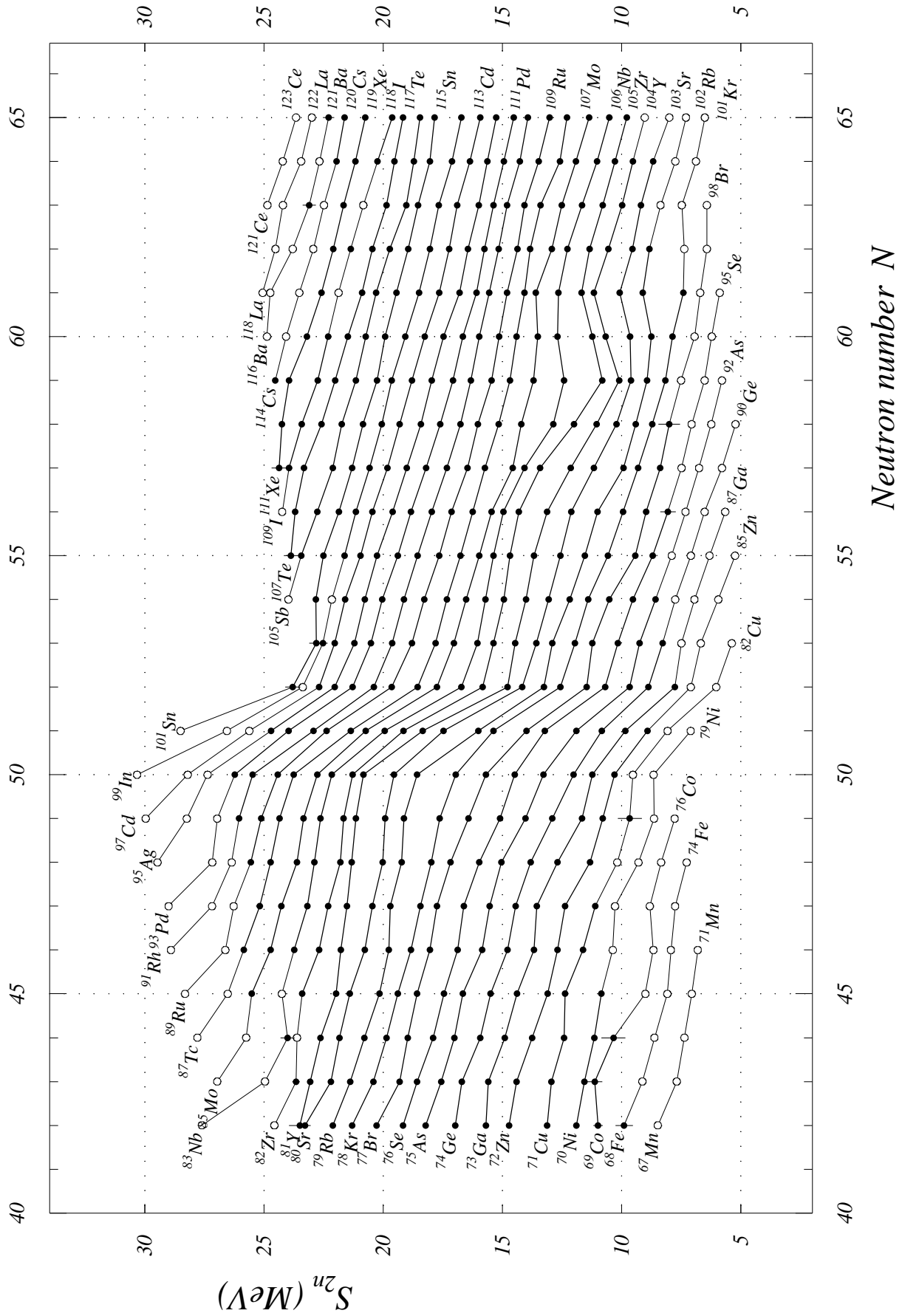


Fig. 4. Two-neutron separation energies $N = 62$ to 85

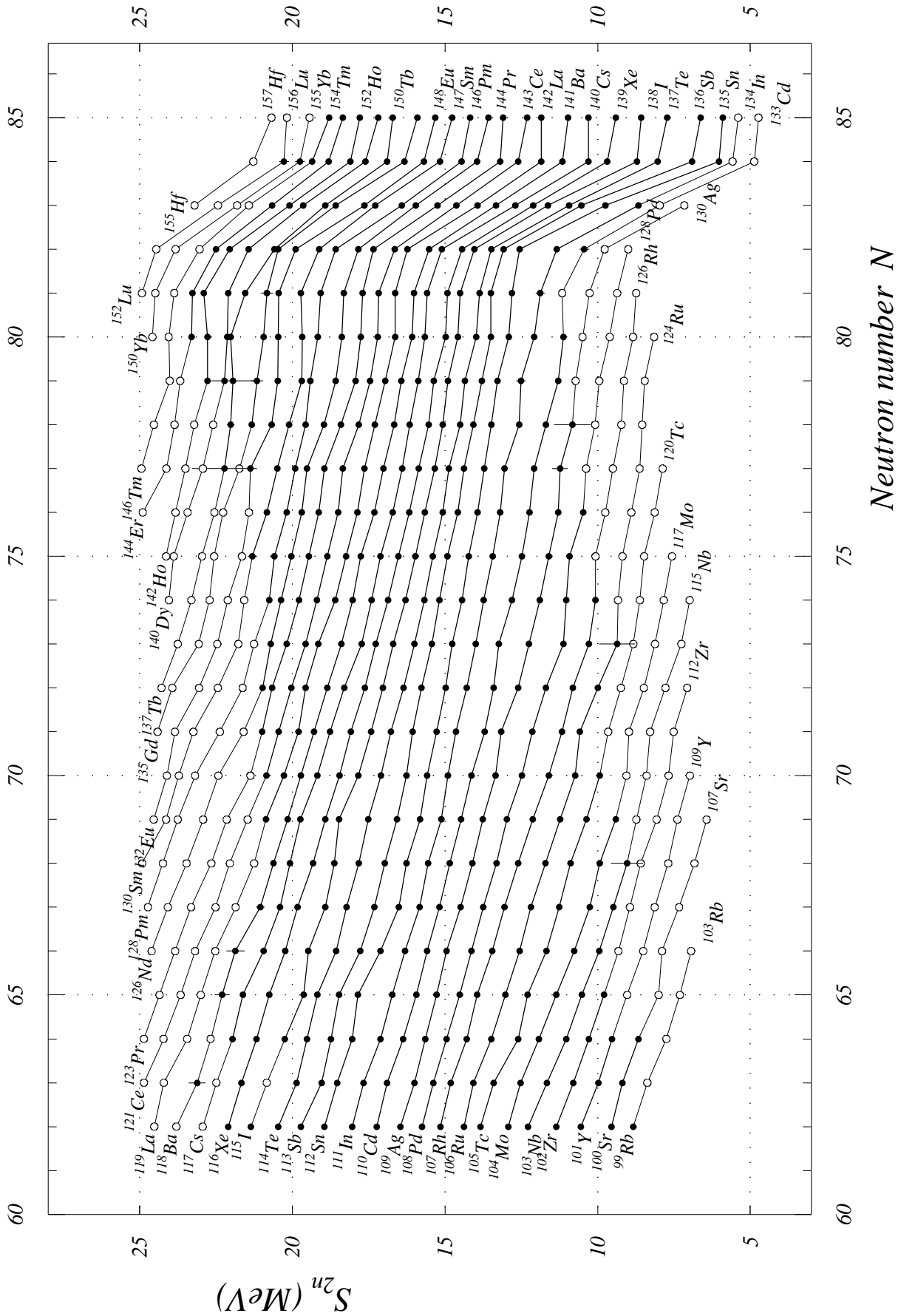


Fig. 5. Two-neutron separation energies $N = 82$ to 105

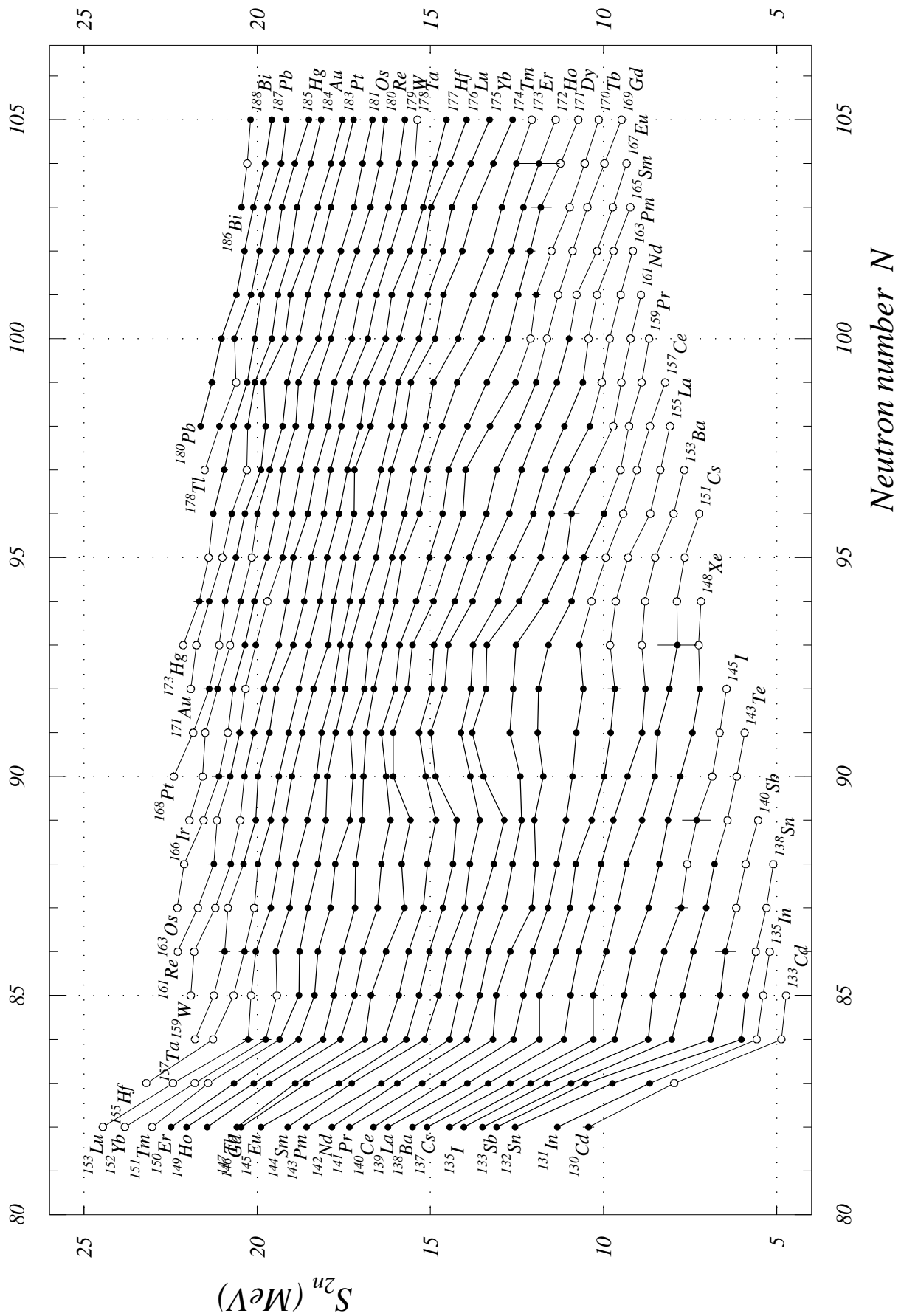


Fig. 6. Two-neutron separation energies $N = 102$ to 125

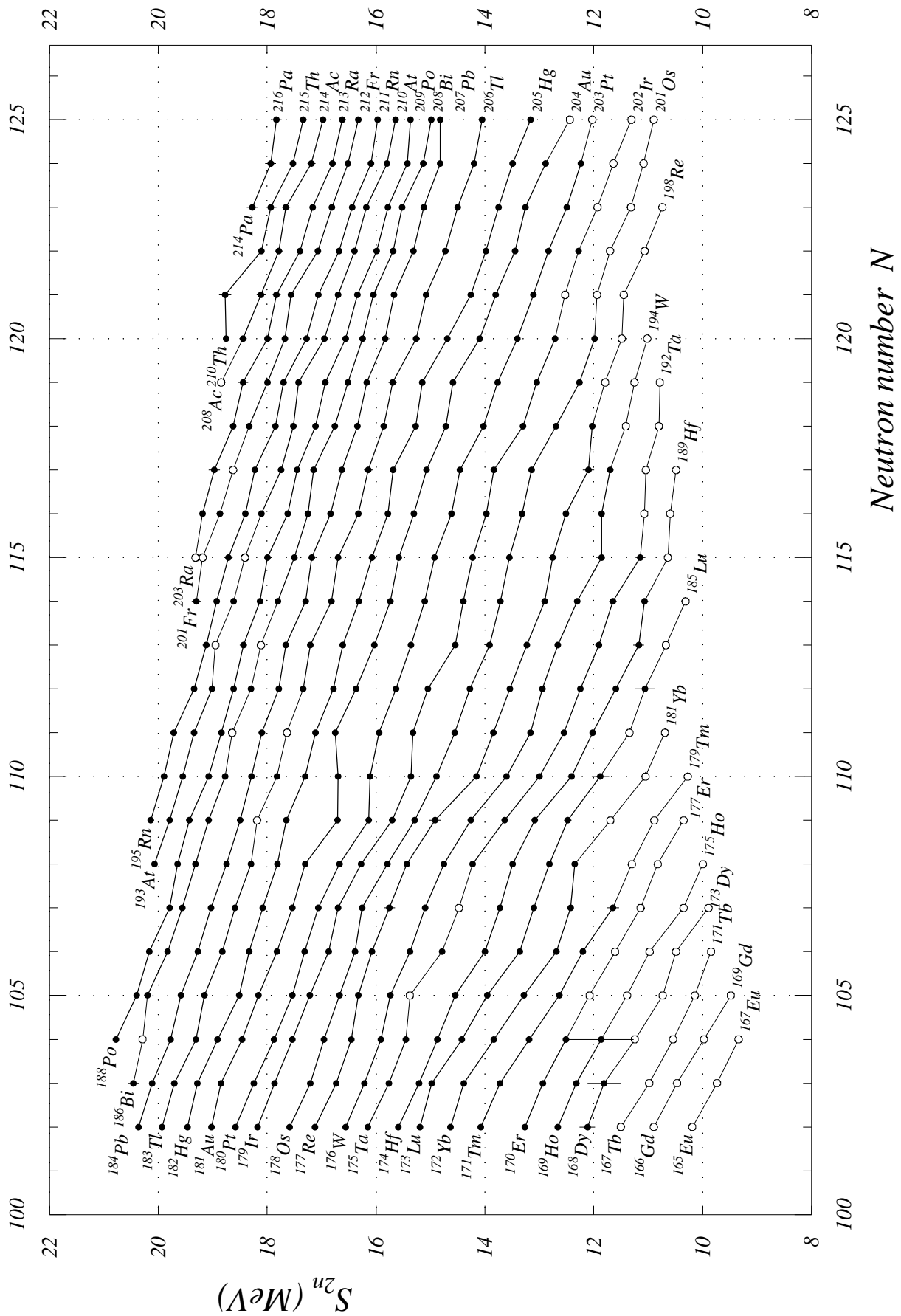


Fig. 7. Two-neutron separation energies $N = 122$ to 145

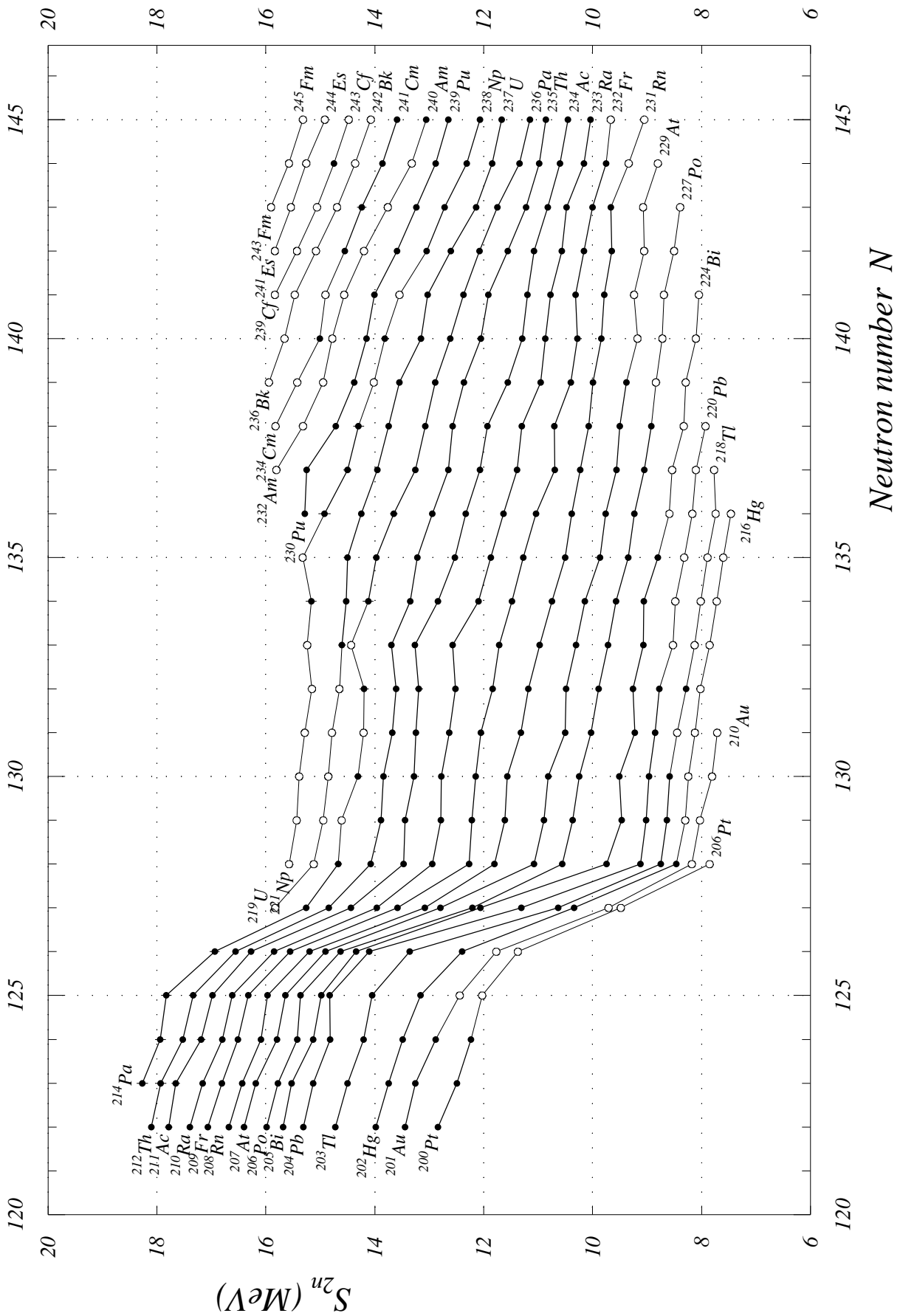


Fig. 9. Two-neutron separation energies $N = 155$ to 178

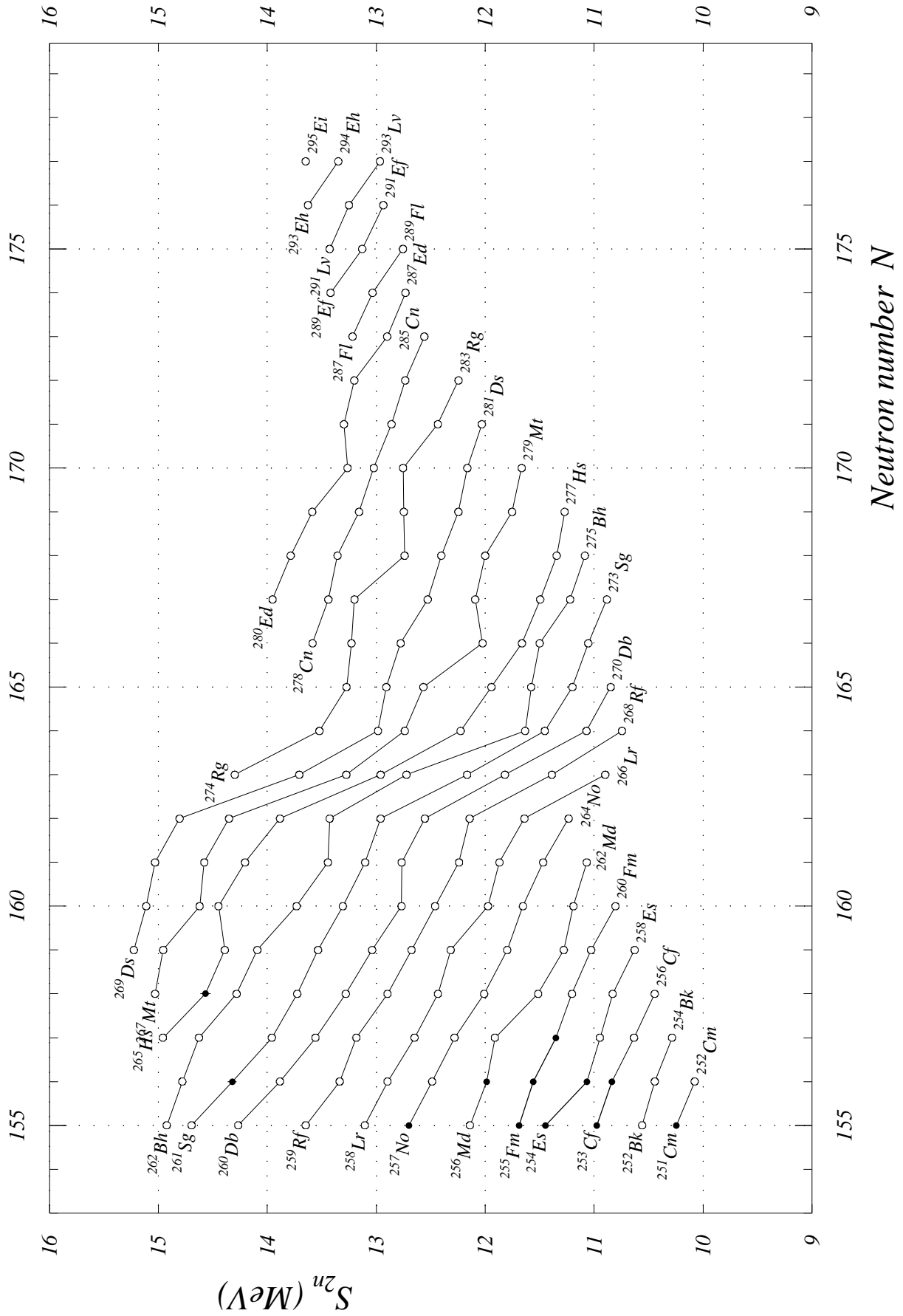


Fig. 11. Two-proton separation energies $Z = 17$ to 35

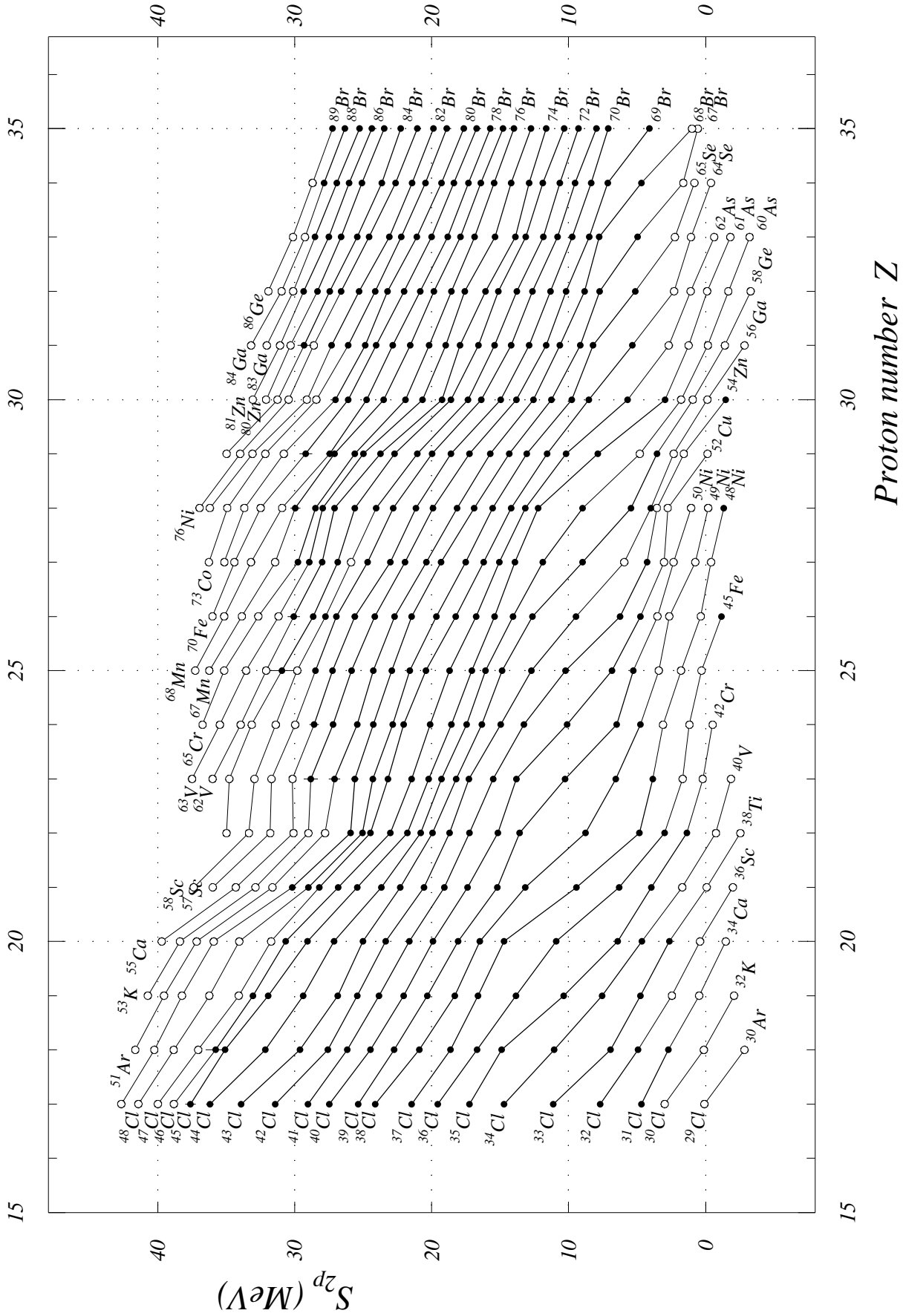


Fig. 12. Two-proton separation energies $Z = 32$ to 50

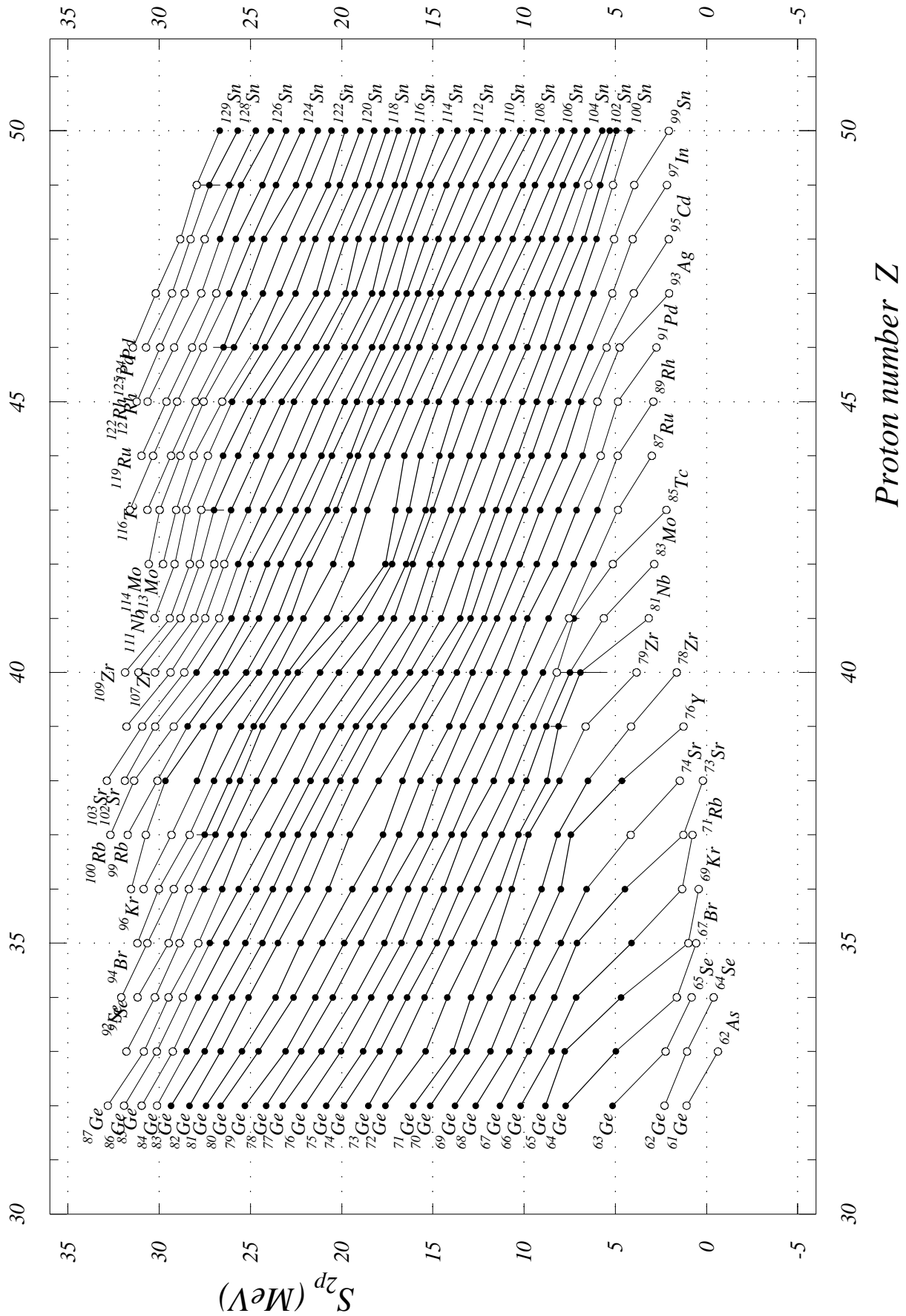


Fig. 13. Two-proton separation energies $Z = 47$ to 65

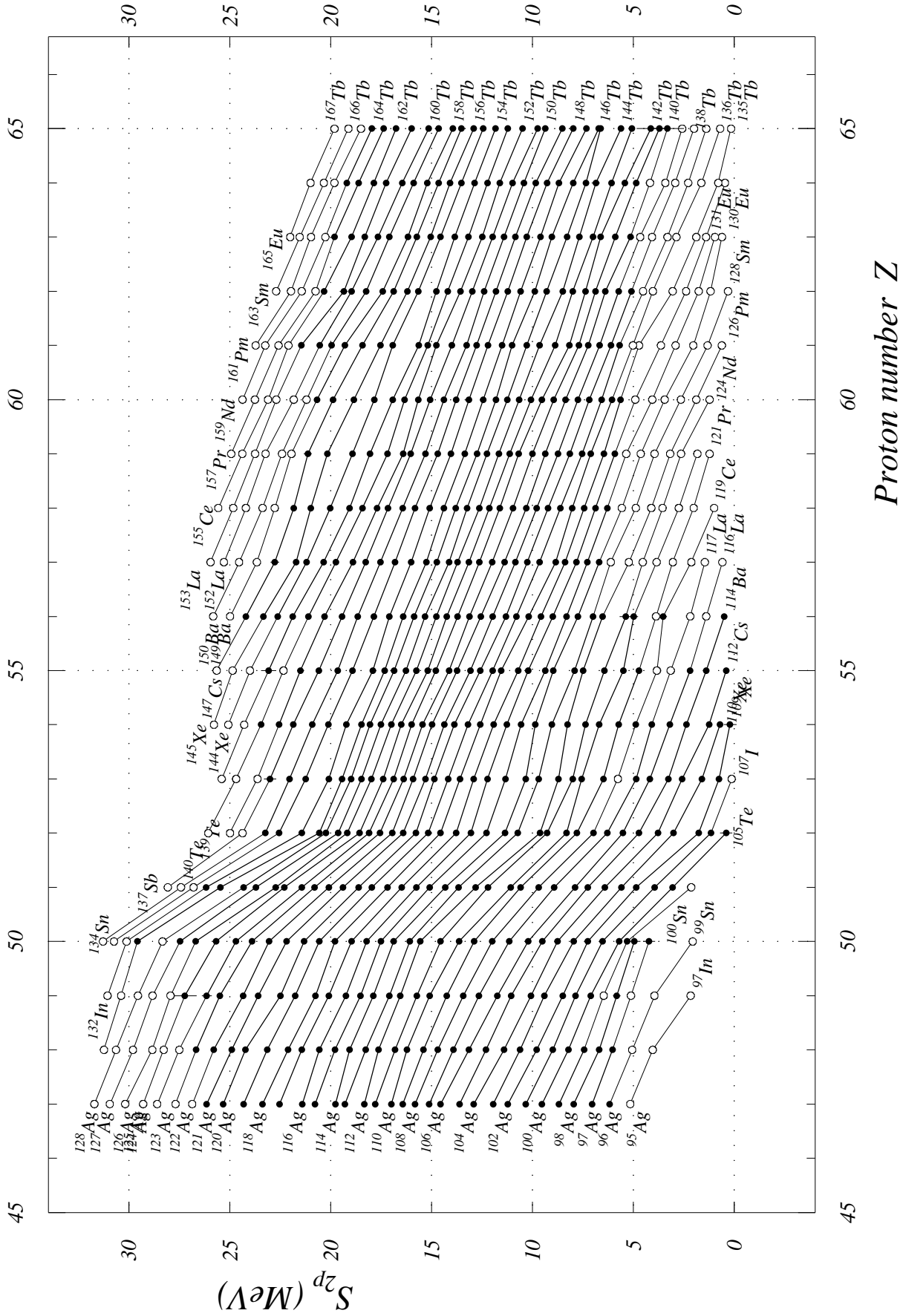


Fig. 14. Two-proton separation energies $Z = 62$ to 80

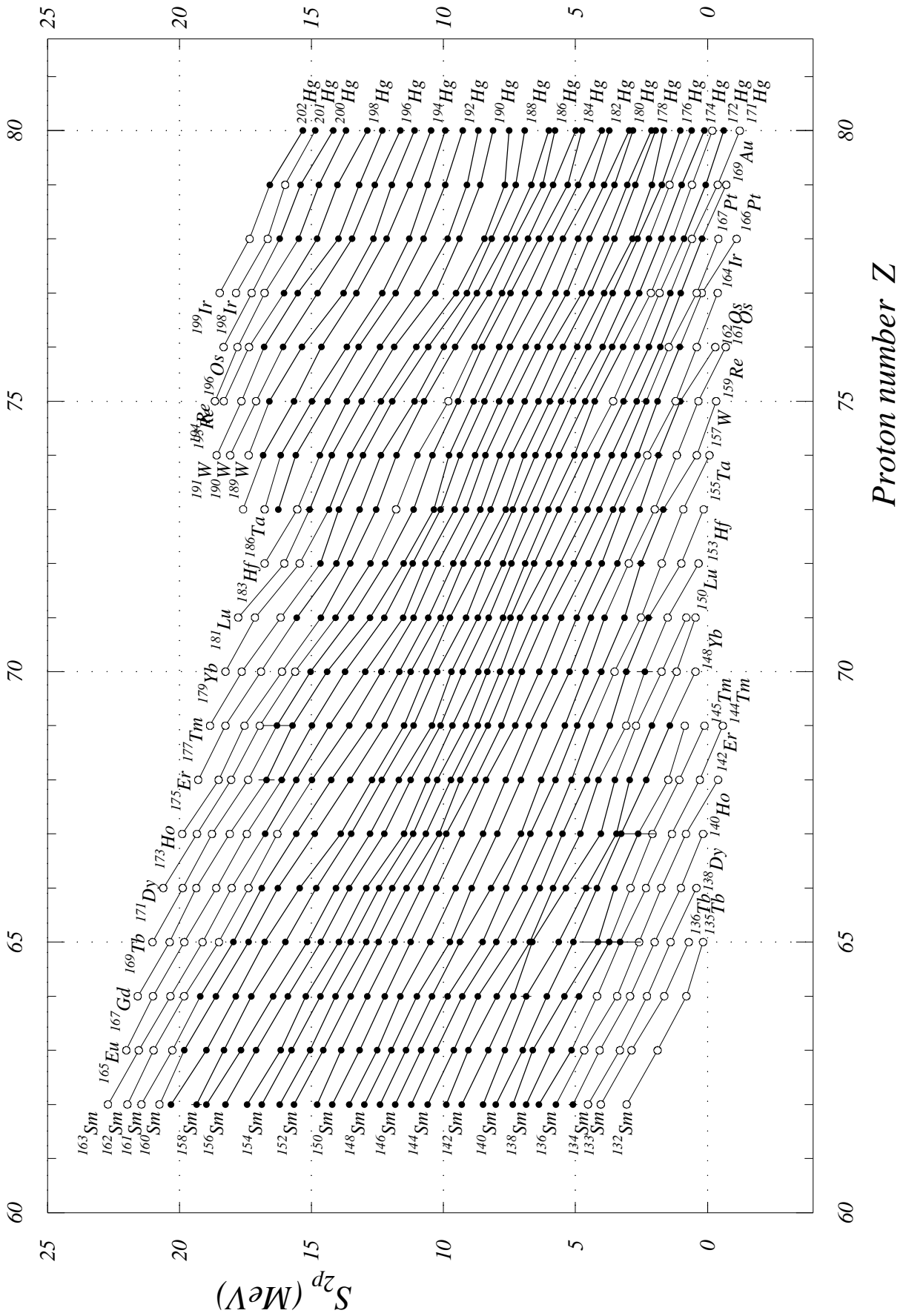


Fig. 15. Two-proton separation energies $Z = 77$ to 95

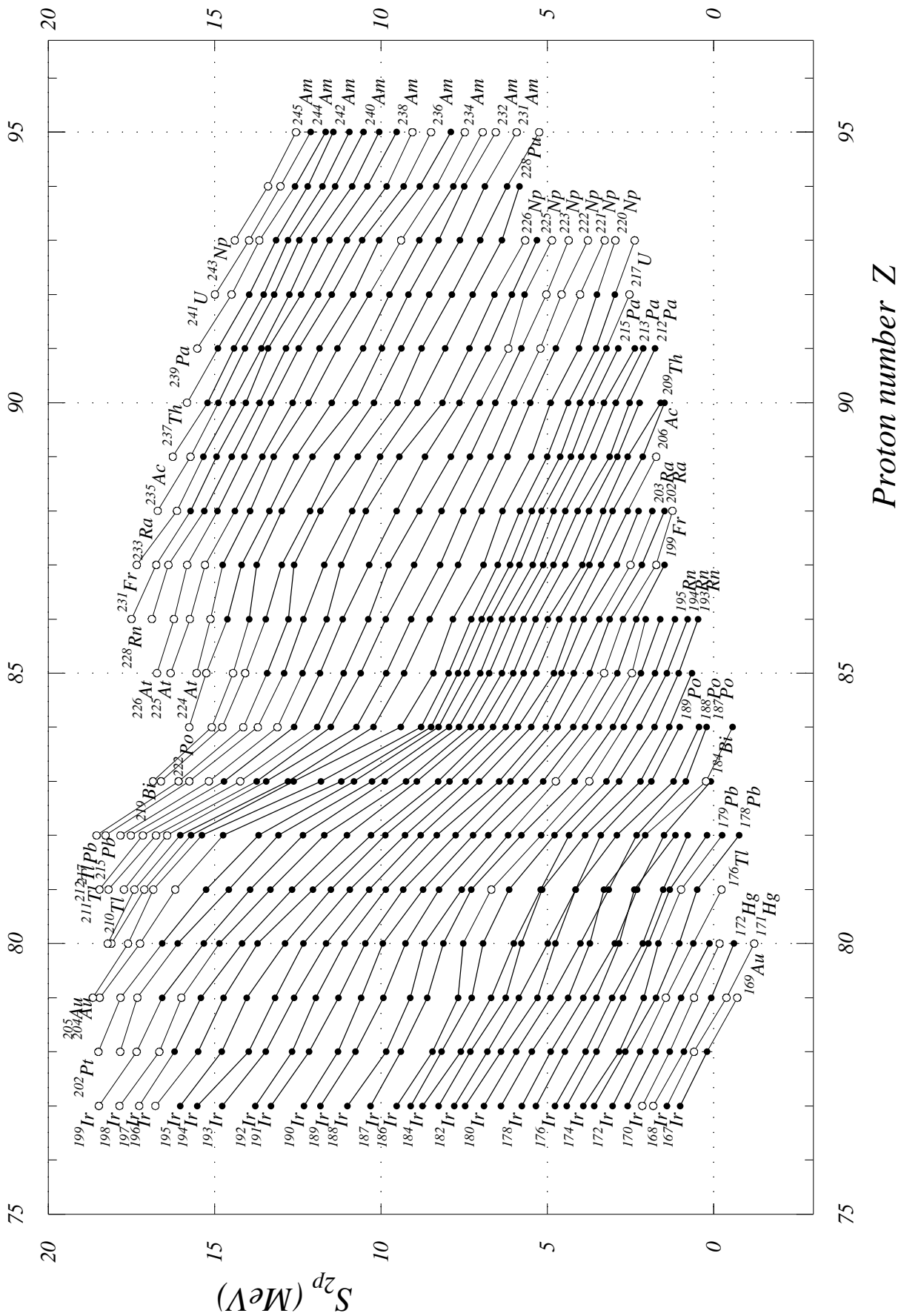


Fig. 16. Two-proton separation energies $Z = 92$ to 110

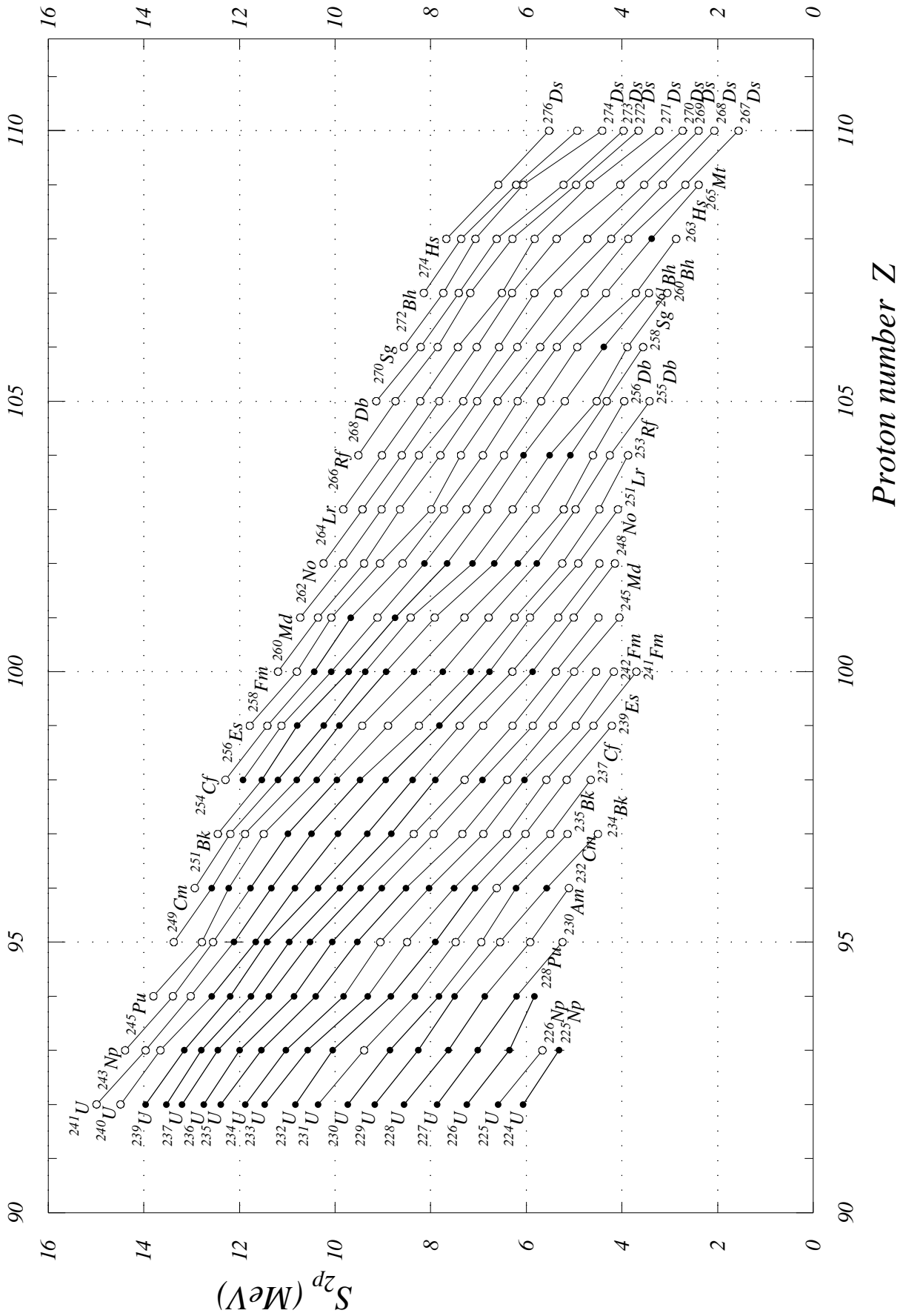


Fig. 17. Two-proton separation energies $Z = 100$ to 118

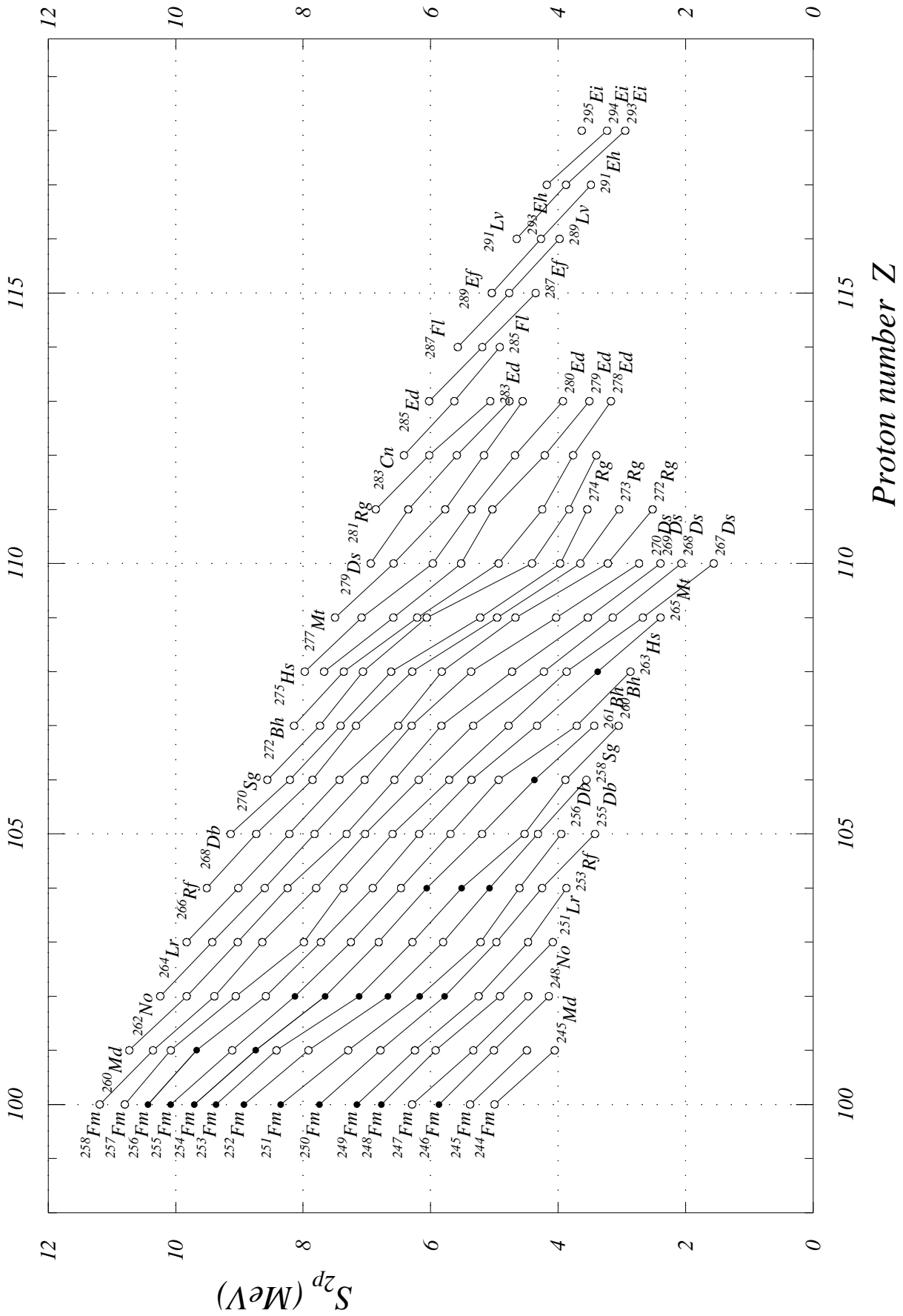


Fig. 18. α -decay energies $N = 0$ to 25

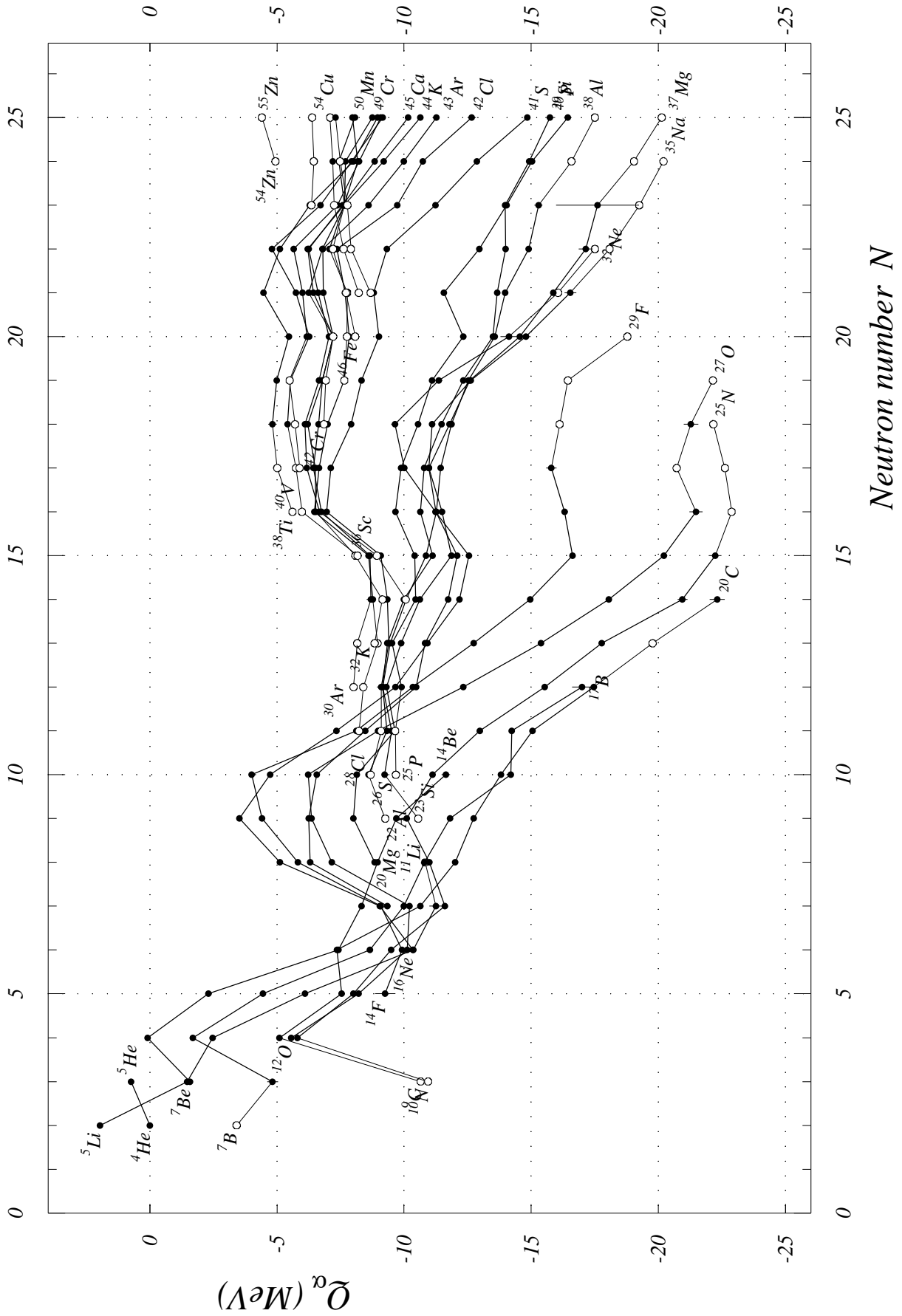


Fig. 19. α -decay energies $N = 22$ to 45

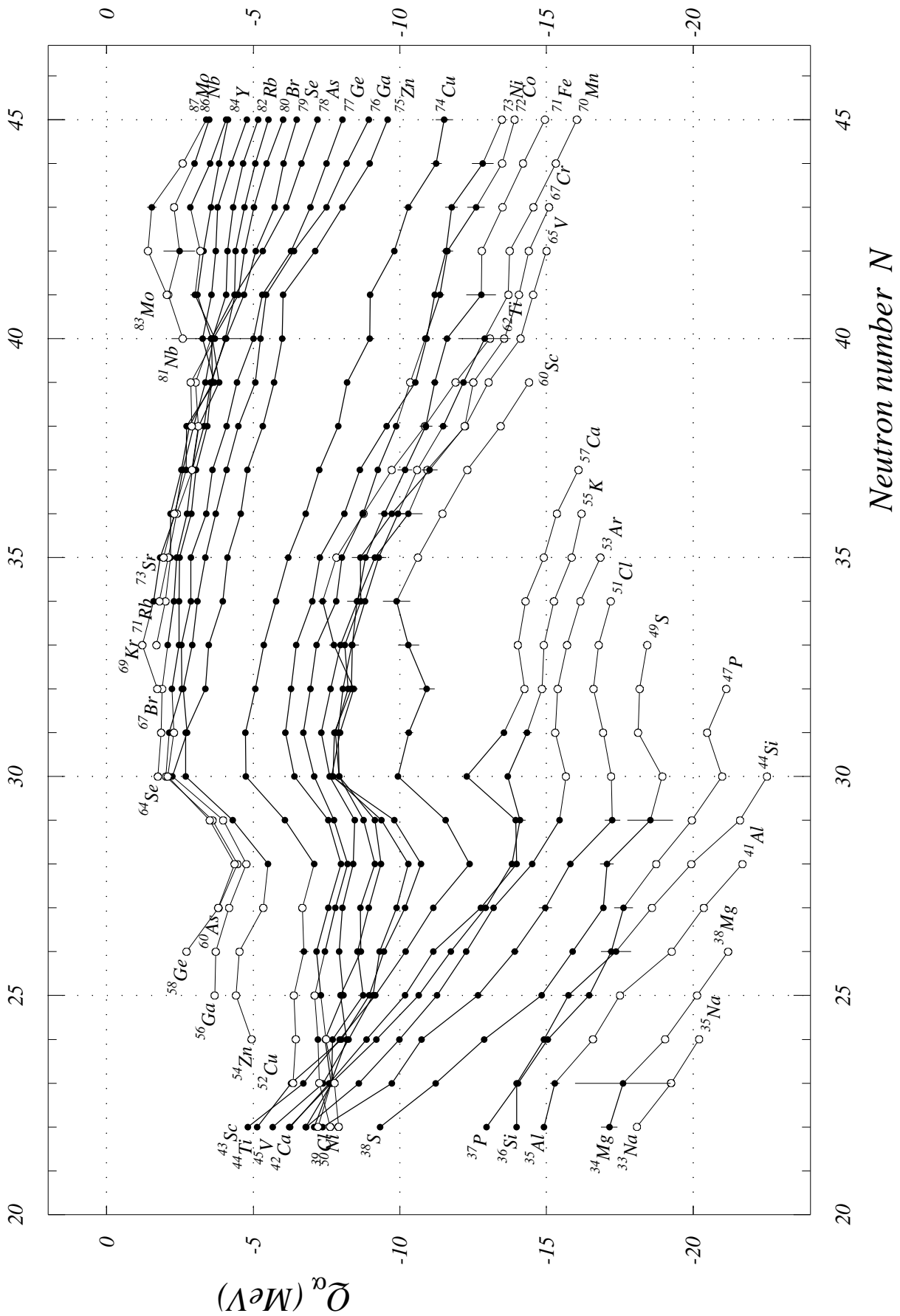


Fig. 20. α -decay energies $N = 42$ to 65

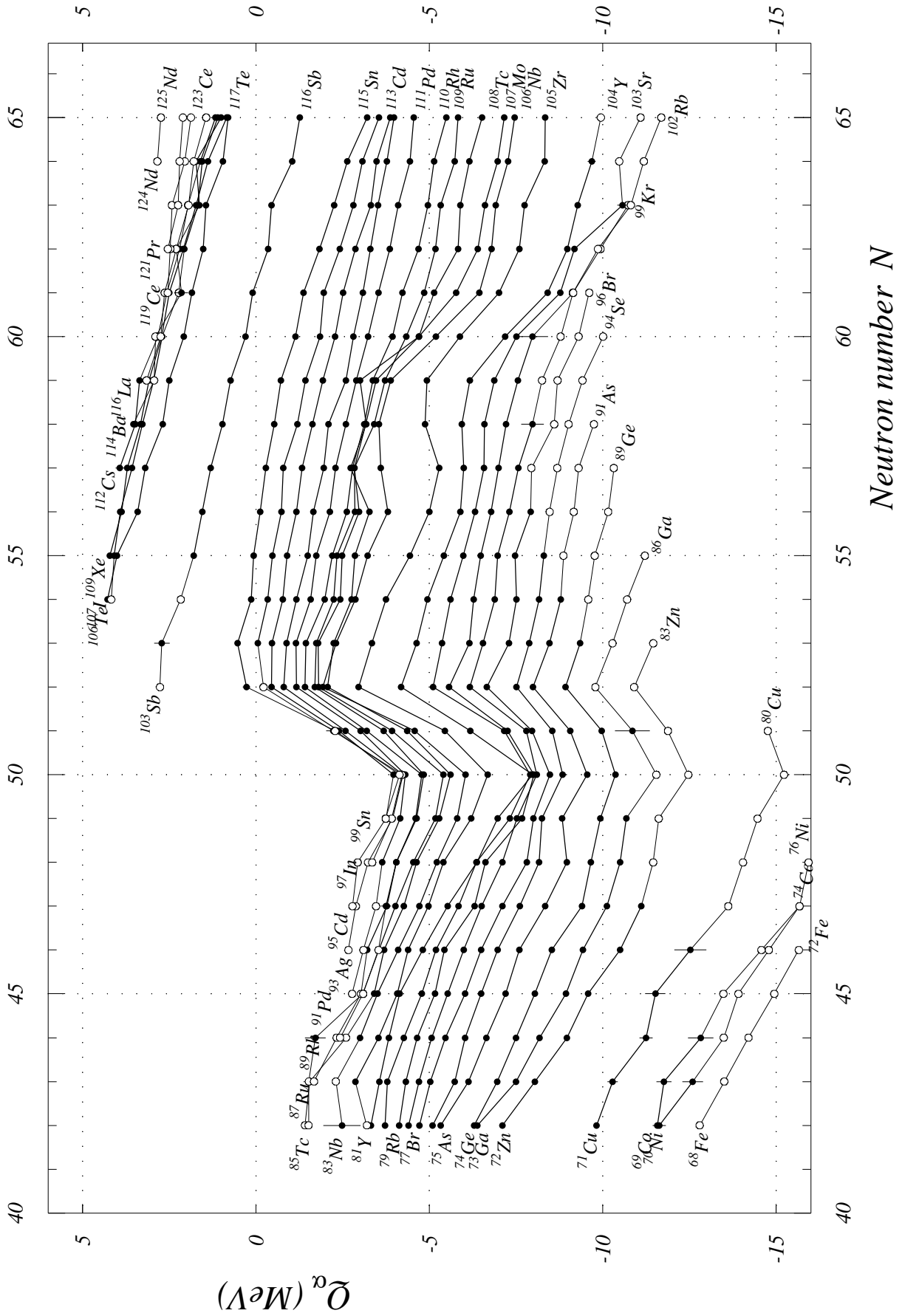


Fig. 22. α -decay energies $N = 82$ to 105

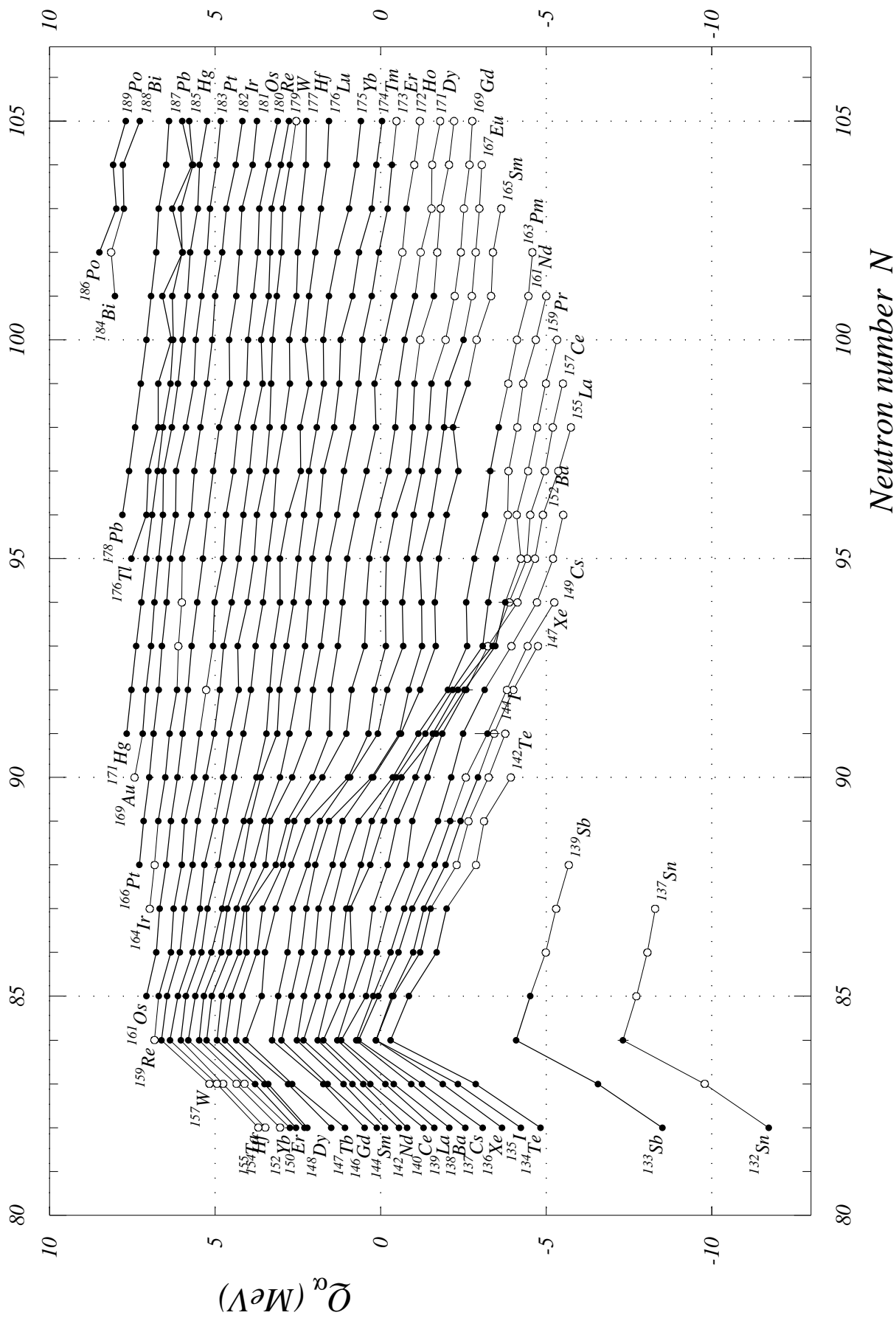


Fig. 23. α -decay energies $N = 102$ to 125

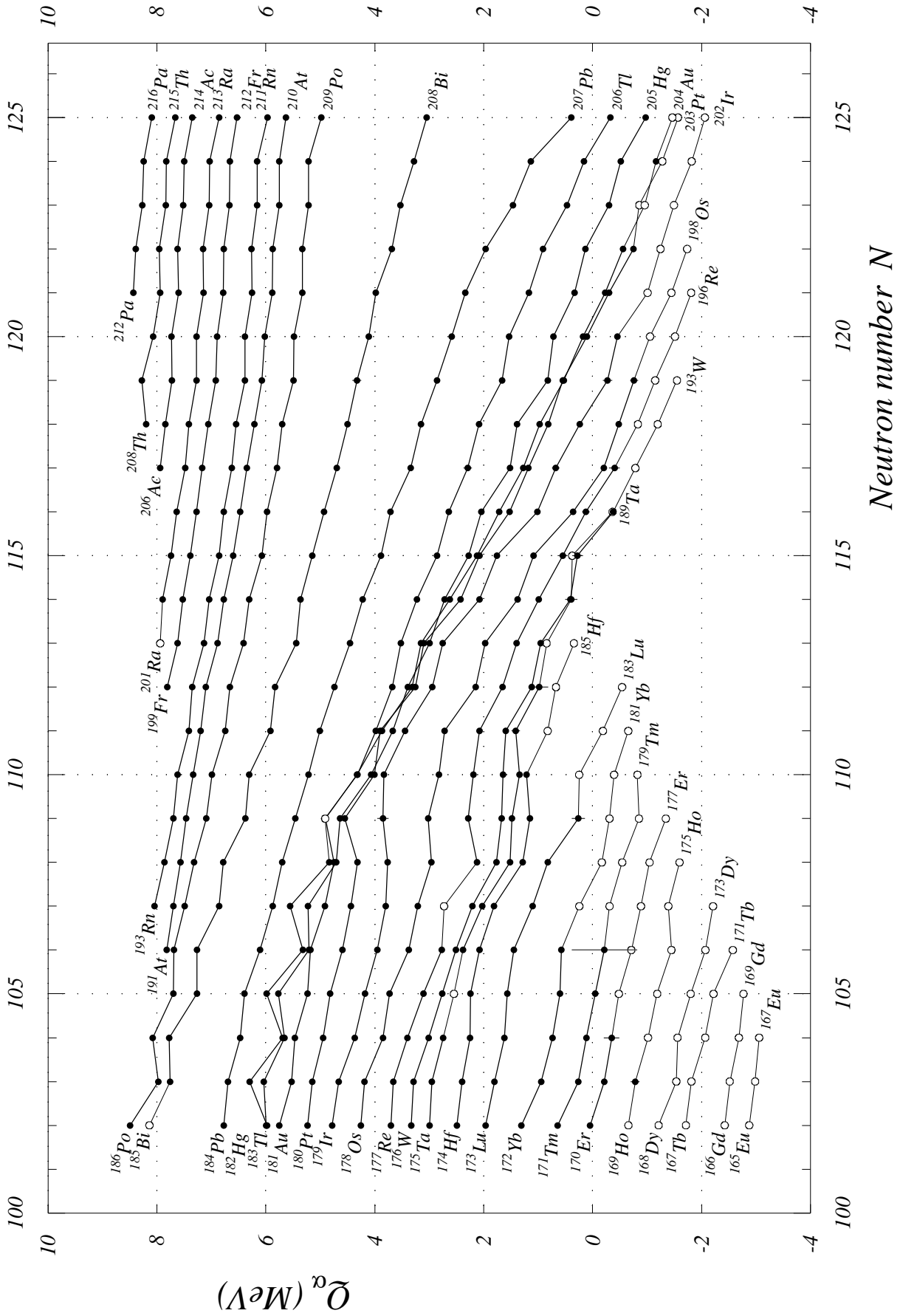


Fig. 24. α -decay energies $N = 122$ to 145

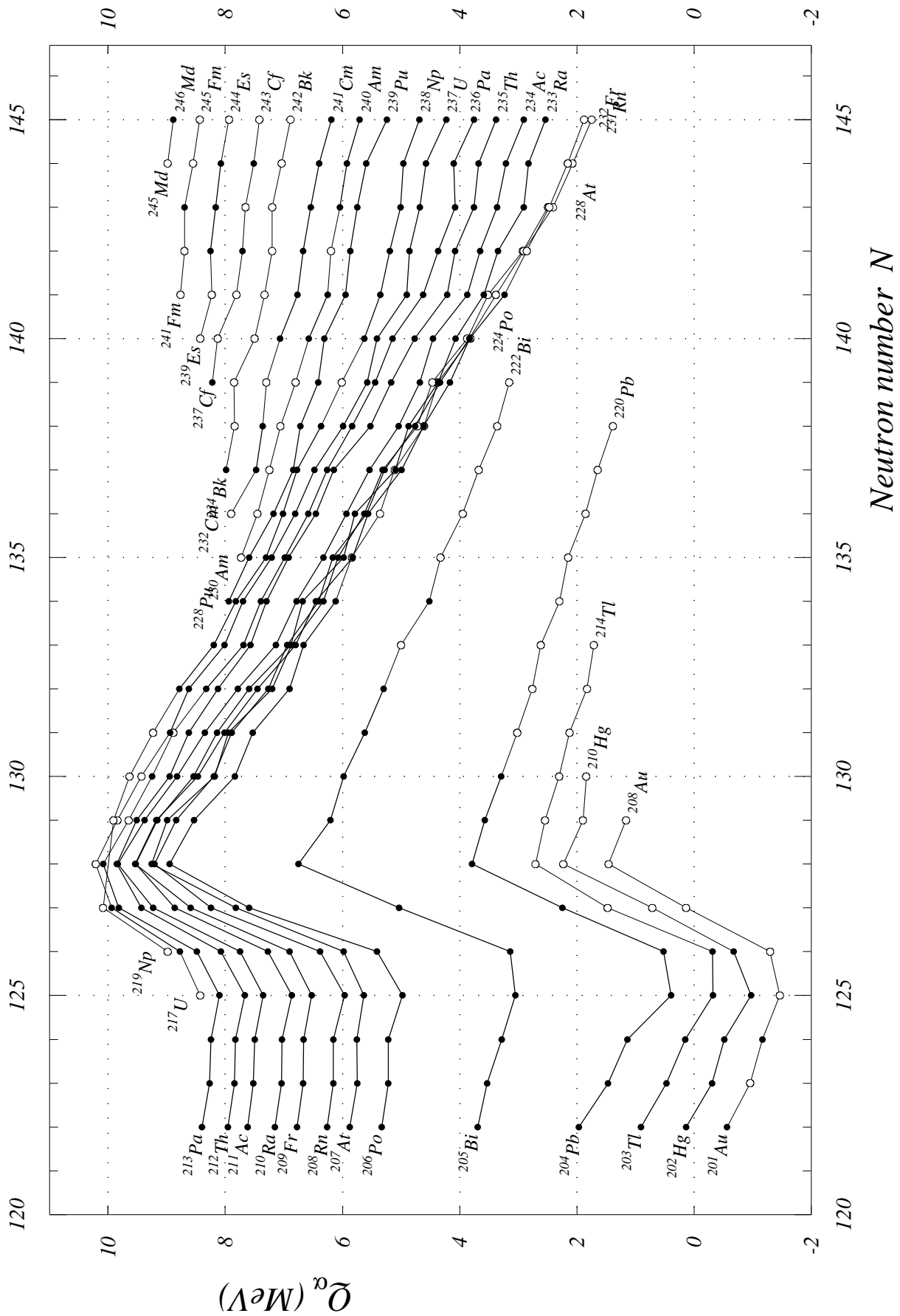


Fig. 25. α -decay energies $N = 142$ to 165

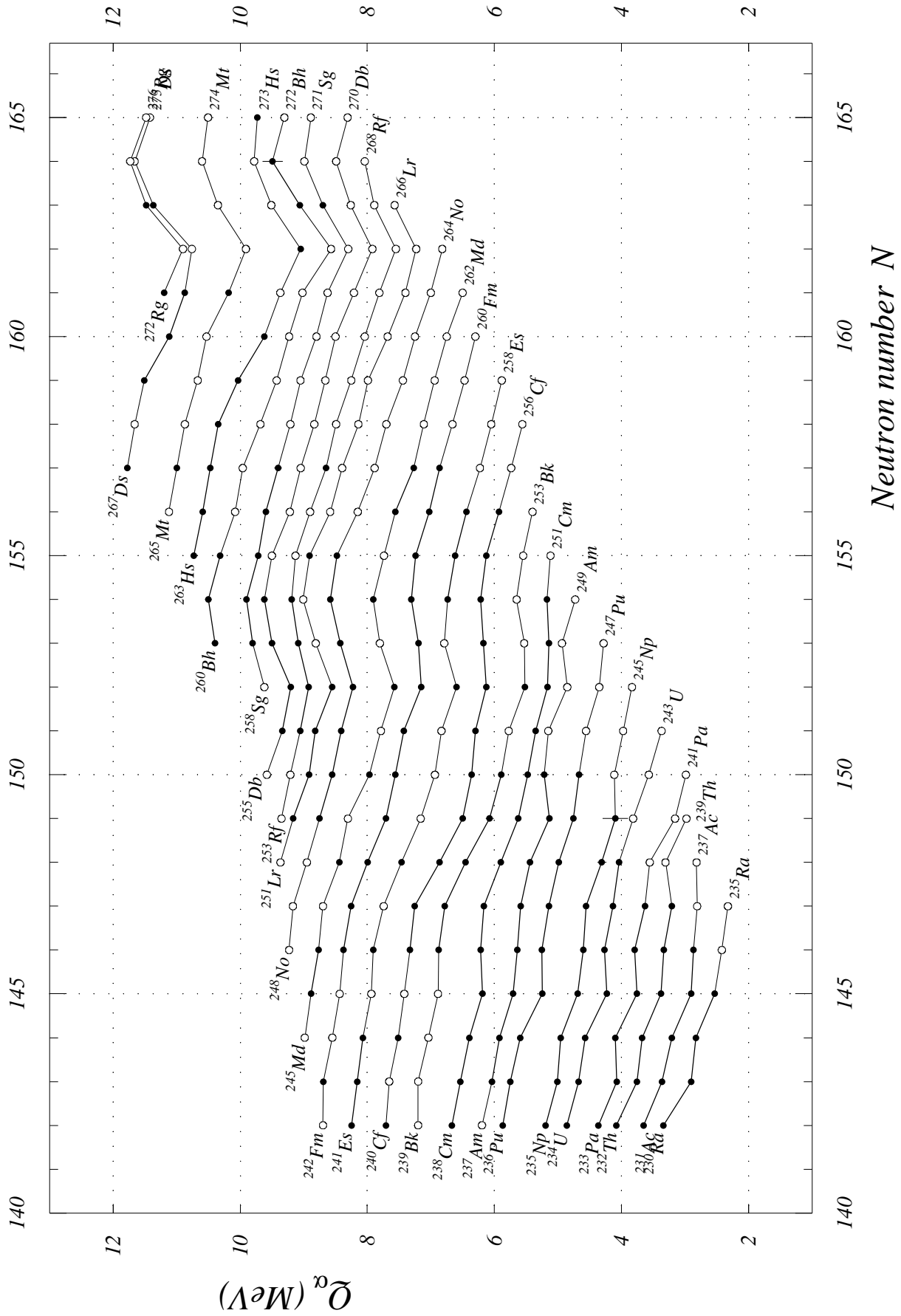


Fig. 27. Double β -decay energies $A = 0$ to 35

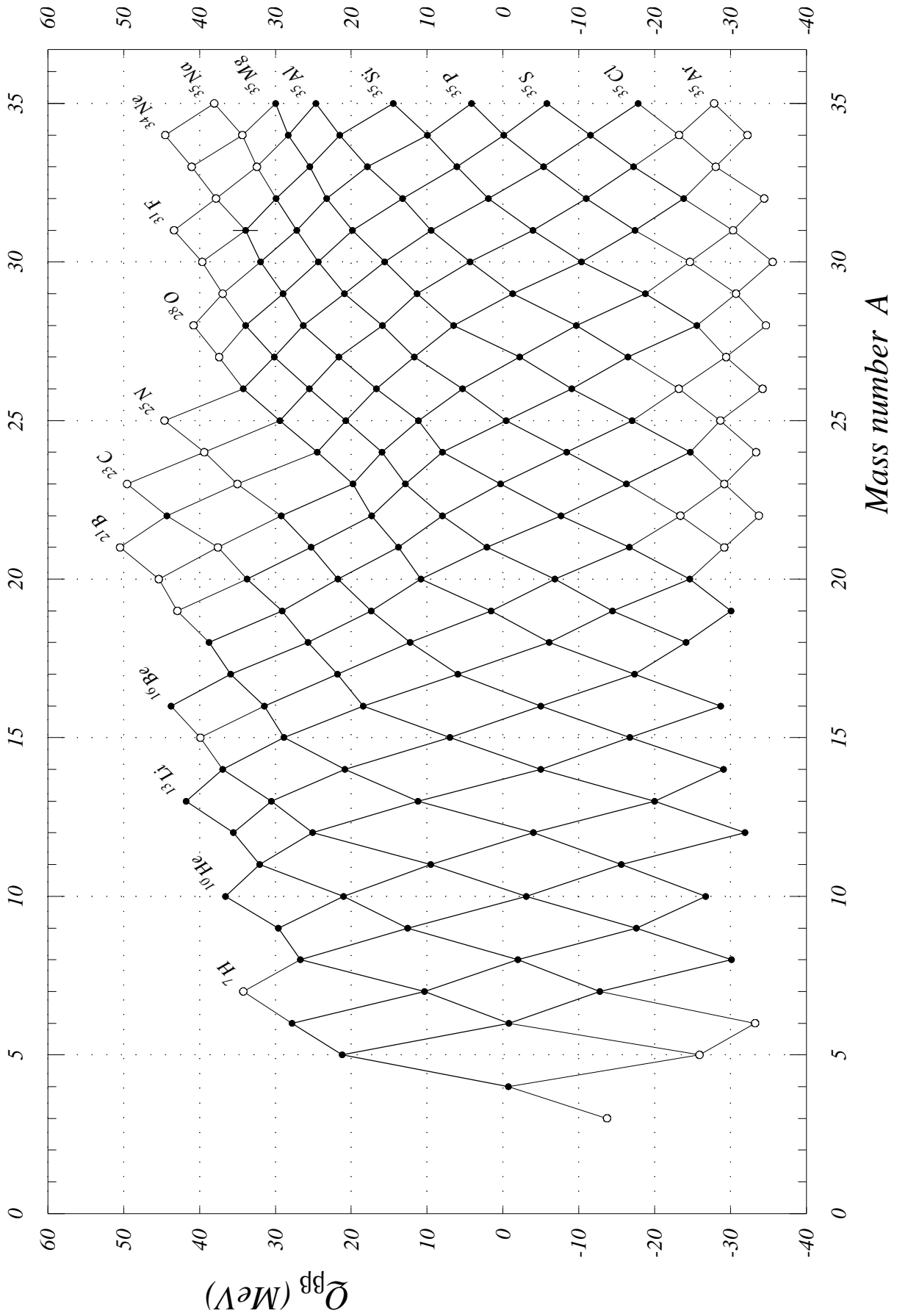


Fig. 28. Double β -decay energies $A = 32$ to 65

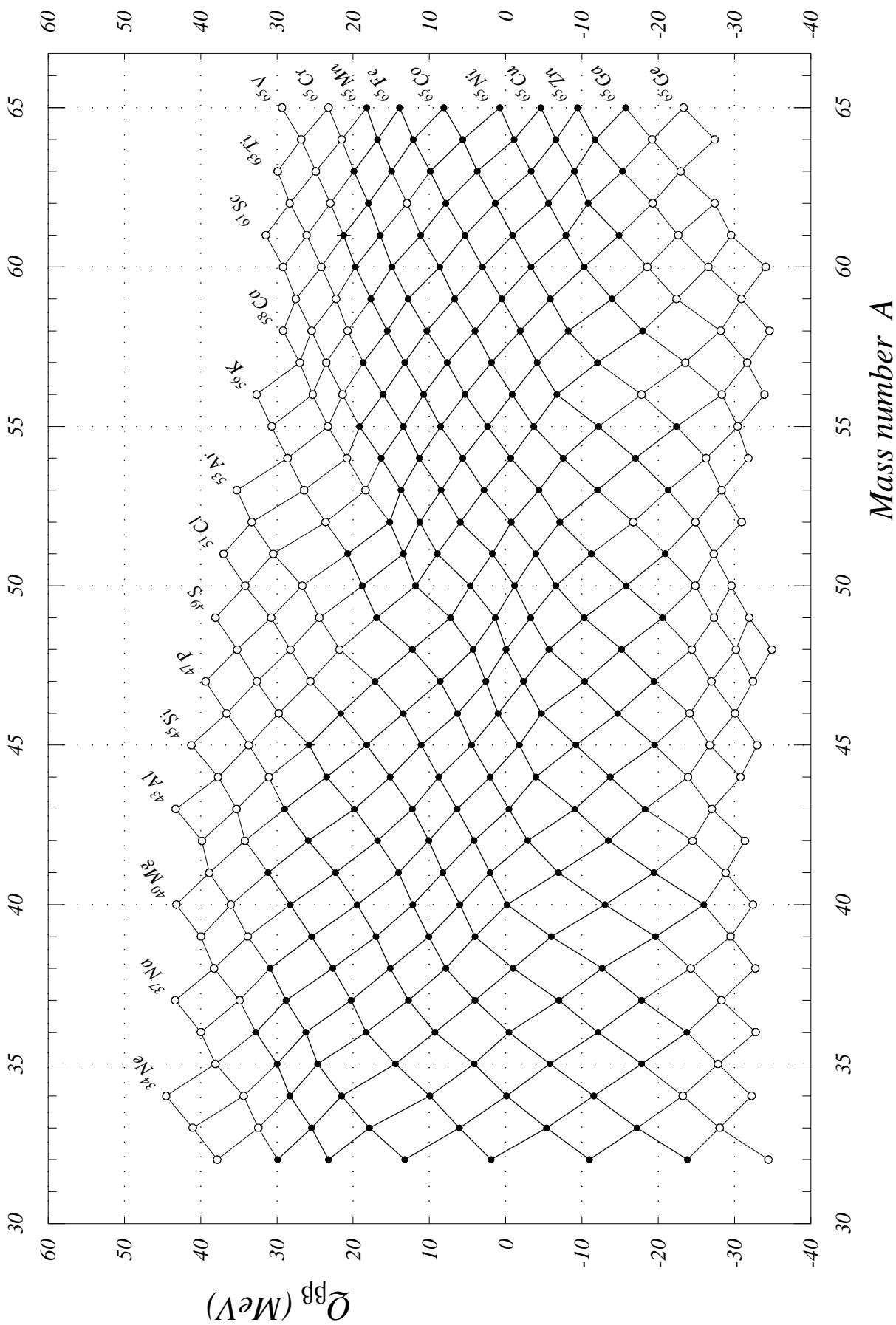


Fig. 29. Double β -decay energies $A = 62$ to 95

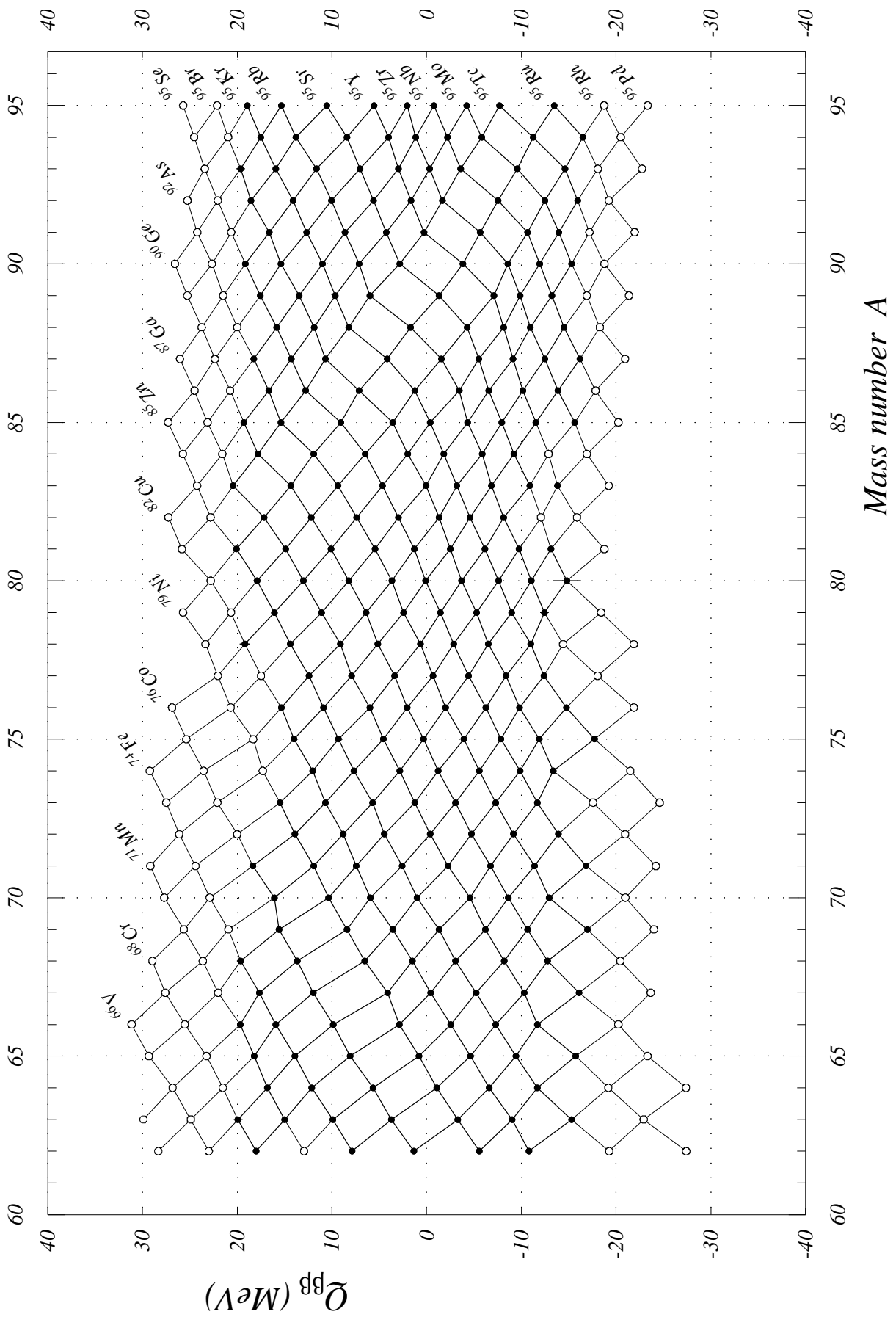


Fig. 30. Double β -decay energies $A = 92$ to 125

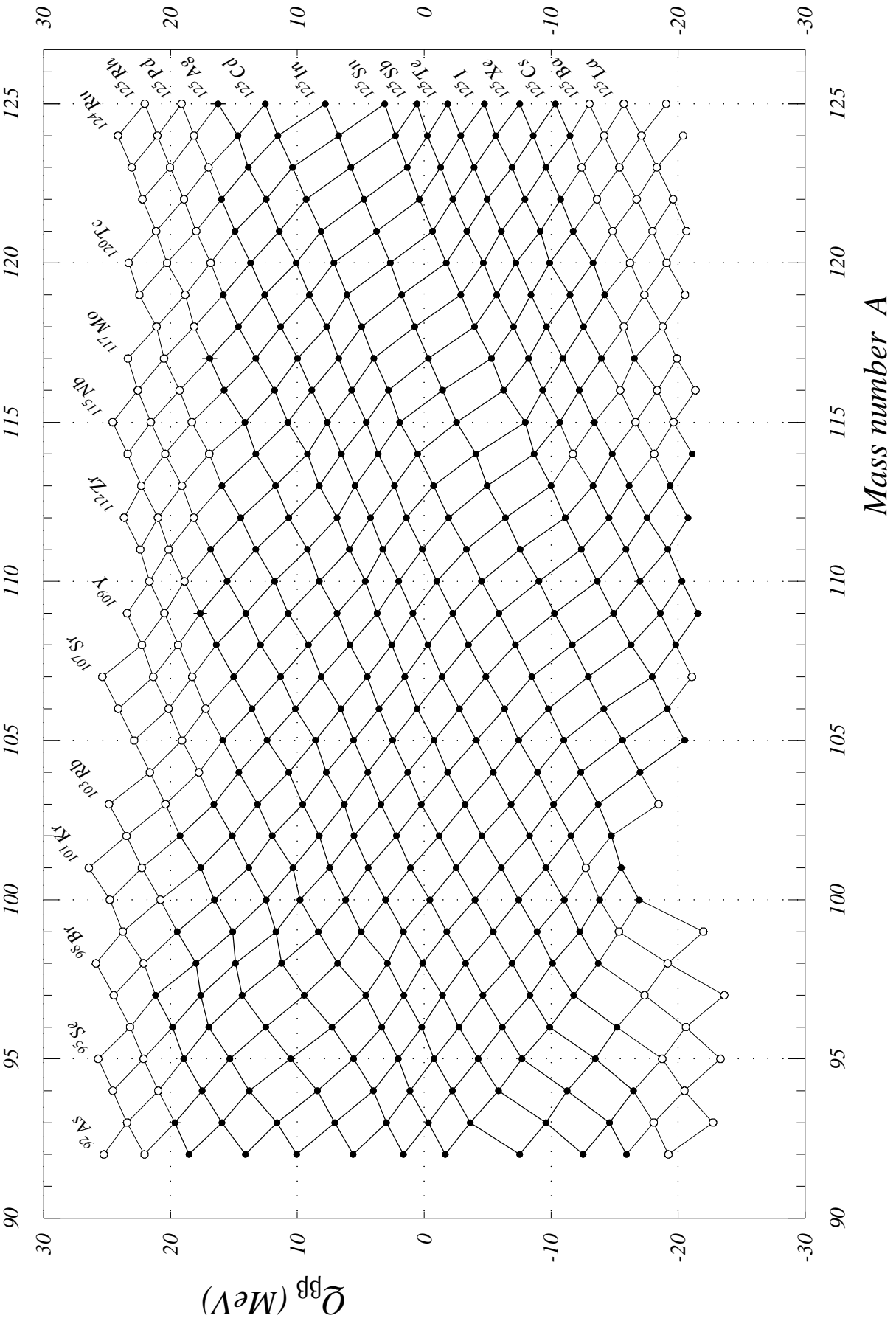


Fig. 31. Double β -decay energies $A = 122$ to 155

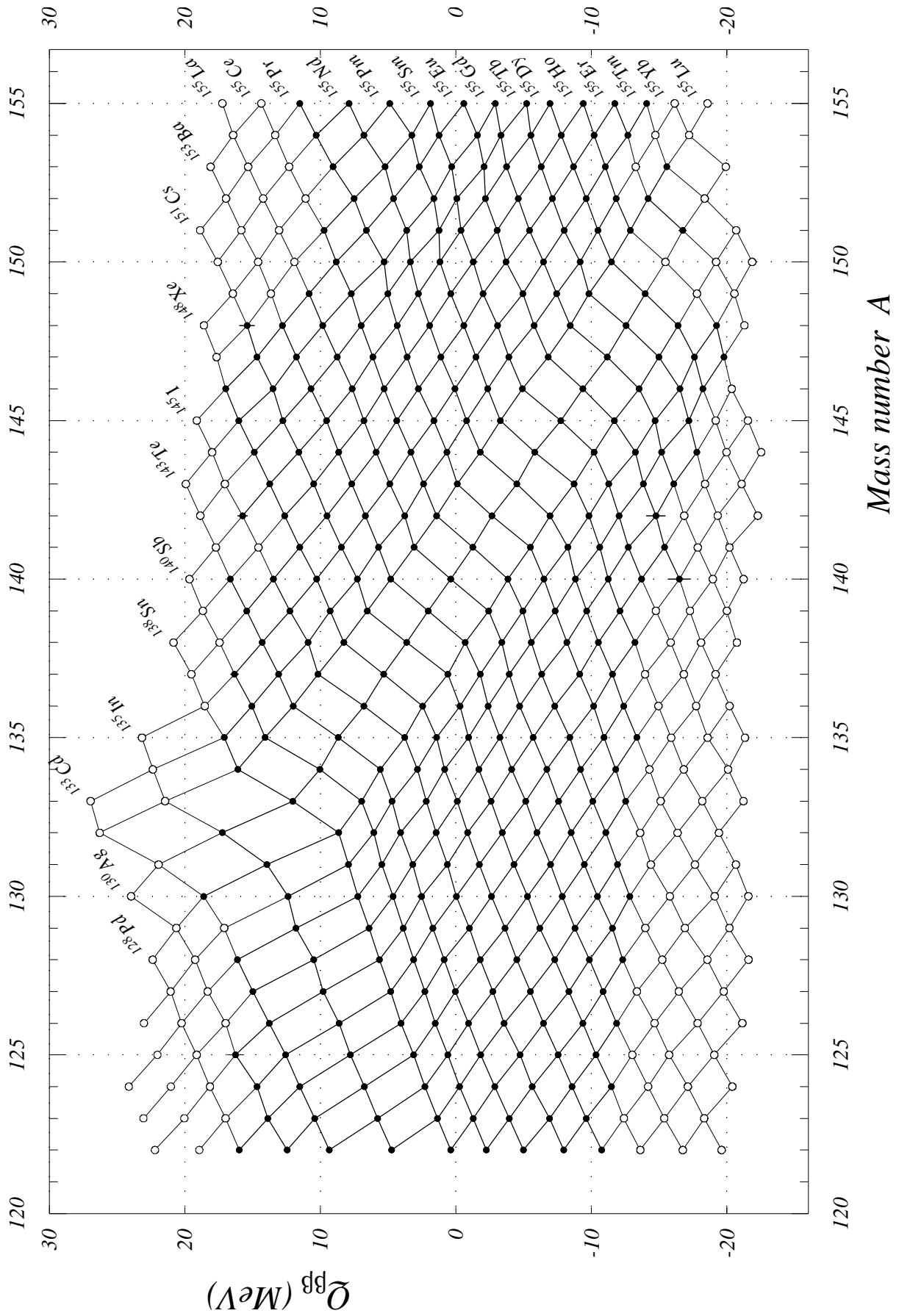


Fig. 32. Double β -decay energies $A = 152$ to 185

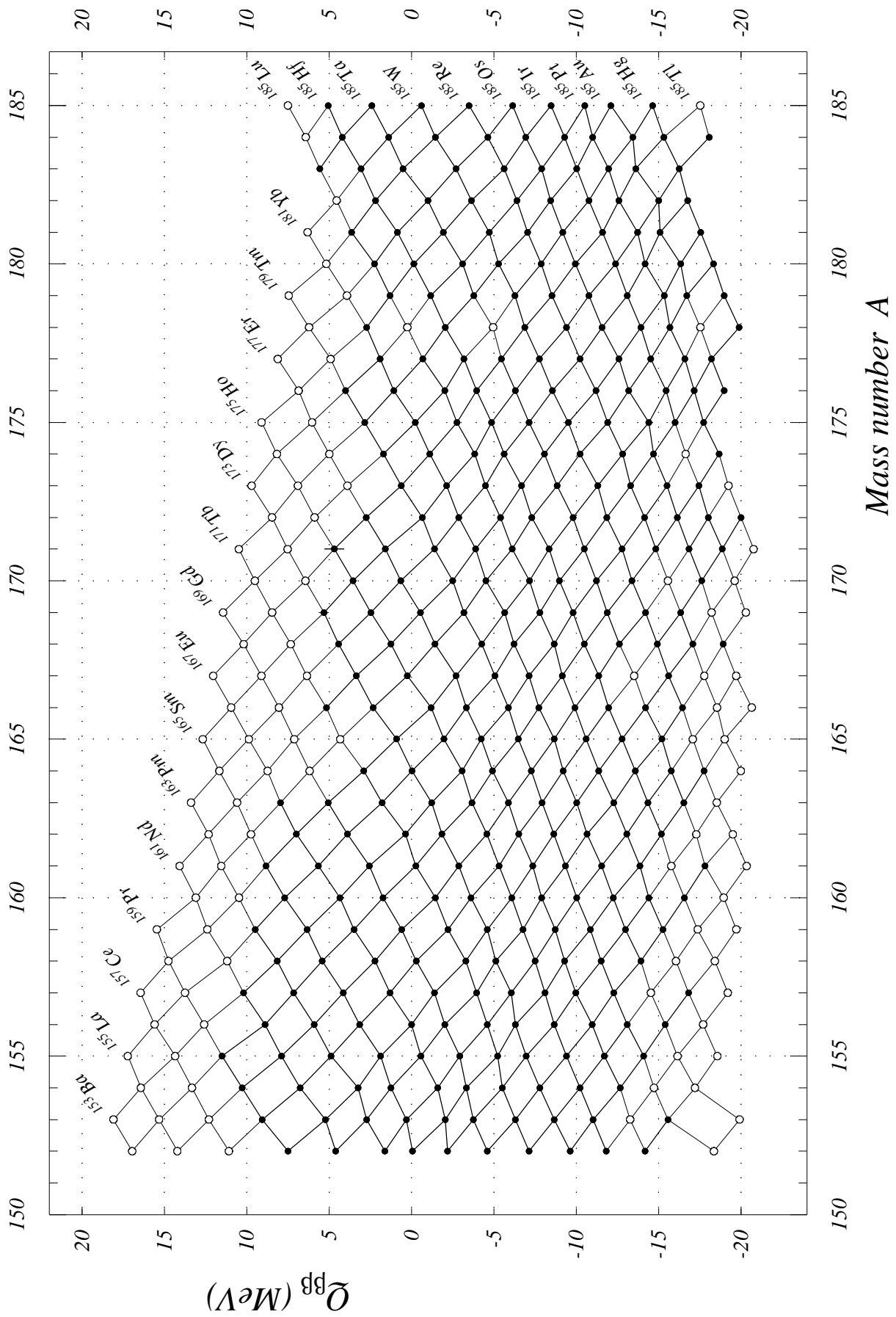


Fig. 33. Double β -decay energies $A = 182$ to 215

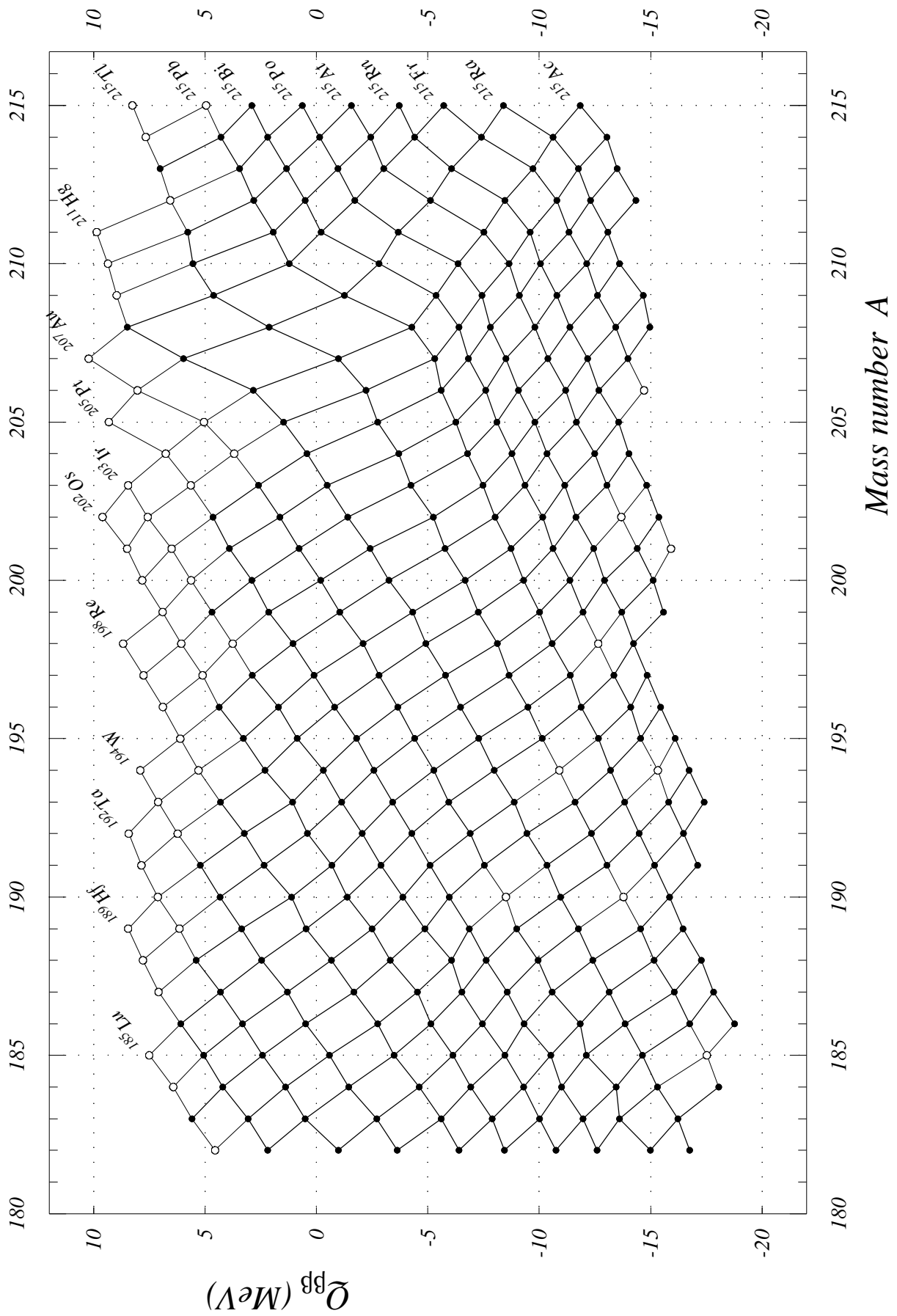


Fig. 34. Double β -decay energies $A = 212$ to 245

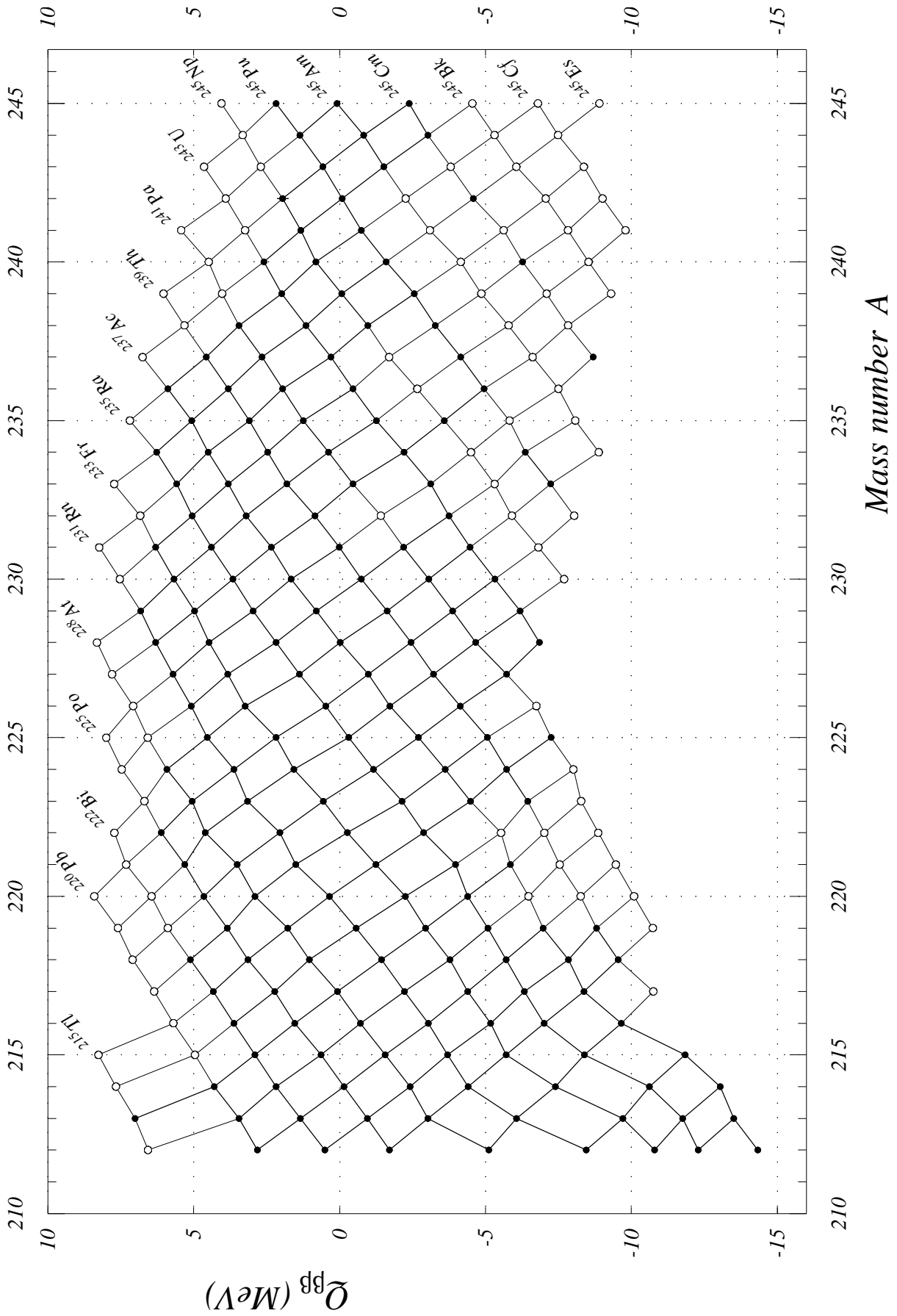


Fig. 35. Double β -decay energies $A = 242$ to 275

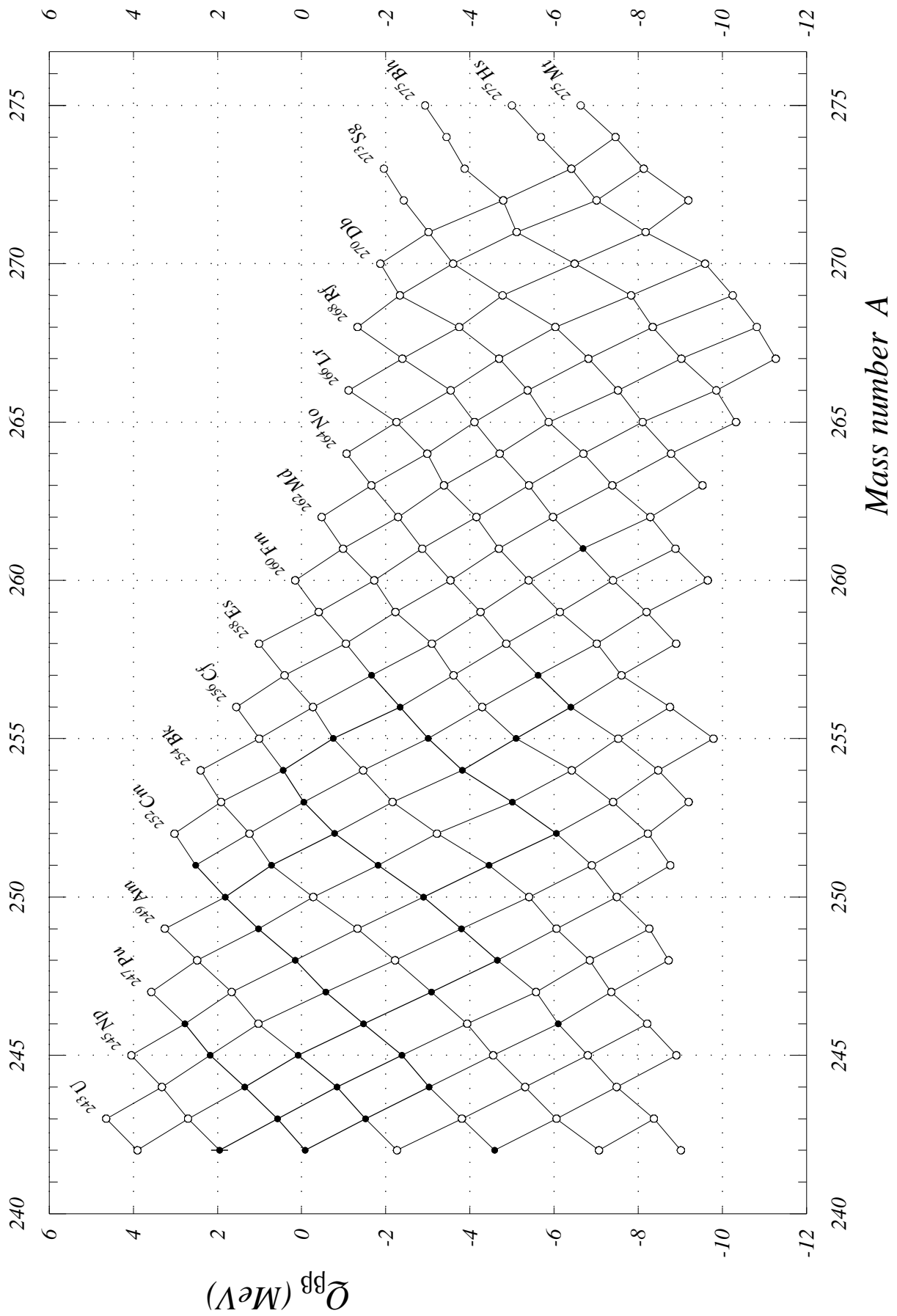


Fig. 36. Double β -decay energies $A = 257$ to 290

