

21. $f_{5/2}$ is possible in place of $f_{7/2}$.
22. The interpretation of this transition is highly ambiguous, and several alternatives are possible.
23. The ground state of Ta^{181} is $g_{7/2}$.
24. In place of $p_{3/2}$ also $f_{5/2}$ is possible.
25. To explain the high forbiddenness of this transition a spin of at least $9/2$ has to be assumed for Os^{187} . The assumption of the table makes it third order λ -forbidden. Another possibility is $i_{13/2}$, which would make it fourth forbidden.
26. $p_{3/2}$ in place of $f_{5/2}$ would not exclude the direct transition to the ground state.
27. There is no possibility for an allowed transition for these nucleon numbers. The low ft value for these first forbidden transitions may be due to the importance of the Z -dependent factors in the matrix elements, which reduce the ratio of the transition probabilities of allowed to forbidden transitions at high Z values; compare Konopinski, Rev. Mod. Phys. 15, 209 (1943).