

## **Large-scale shell model calculations\***

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Recent results from large-scale shell-model calculations, which are based upon conventional and Monte-Carlo methods, will be presented. Those results will be closely related to exotic shell structure of nuclei far from stability, new or overlooked features of effective interaction between nucleons in nuclei, appearance and disappearance of magic structure in certain regions of the nuclear chart, shell-model description of low-lying collective states such as superdeformed bands, gamma-unstable triaxially deformed states, *etc.* The goodness of the magic closed shells and its connection to the nucleon-nucleon correlations will be discussed also.