

Problems 10: Shell Model Calculations

Calculate the low-lying spectra of the nuclei¹:

Name	Nuclei to calculate
An	^{20}Ne ^9Li
Daniel	^{24}Mg ^{20}Ne
Jan	^{25}Al $^{68,70}\text{Cu}$
Nadia	^{30}Mg ^{84}Kr
Peter	^8Be ^{19}Na
Sarah	^{24}Mg ^{210}Bi
Stijn	^{20}F ^{57}Fe

¹Please, read carefully the notes how to use Oxbash code (Summary of this Lecture) and discuss with Nadya the model space and the interaction you choose.