

PROBLEMS

1. Find all the information you can in the literature about indium and gold resonances for neutrons.
2. From the literature find the first resonances for nuclei with mass numbers $A = 100$ to $A = 150$. Make an estimate of the level spacing in this range.
3. Make a table of level density for Be at 4, 6, 8, 10 Mev excitation using the neutron-proton gas model. Do the same for Fe, Ag, Au.