Prb: Find the analytical equation giving the probability density function (pdf) of the energy spectrum of fission neutrons of a fissile nuclide of your choice. Use any sources available to you, such as nuclear engineering textbooks (available online via KTH library) or online publications.

Having the pdf of the fission neutron energy, calculate deterministically (either analytically or by numerical integration):

* the most probable energy value,
* the mean value,
* the variance,
* the standard deviation of the energy of the fission neutrons.
* Include a plot of the energy spectrum in your presentation.