

# NUSPEQ2023 - International Symposium on Nuclear Spectroscopy for Extreme Quantum Systems

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## Quest(ion)ing (for) the light multineutron systems

*Tuesday, 7 March 2023 14:30 (30 minutes)*

In this presentation I will make a short overview on the possible existence of light pure neutron systems from the theoretical perspective. Then I will present a model calculations, which explain presence of a sharp four neutron energy distribution observed in [Nature Vol. 606, p. 678], studying fast removal of the alpha-particle from the  $^8\text{He}$  nucleus.

### Experimental study on nuclear physics

**Presenter:** Dr LAZAUSKAS, Rimantas

**Session Classification:** Session 3