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A 21st Century View of Nuclear Structure

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Exploiting exact and special symmetries to unmask simplicity within complexity, which remains the 'holy grail' of nuclear physics, will be considered within its historical context and as evolving through 21st Century 'ab initio' methods, including emerging results linked to the internal structure of nucleons.

Some exemplar results for very light to medium mass nuclei will be presented, and what these may portend for heavier systems, including species beyond known lines of stability, will be proffered.

Primary author: DRAAYER, Jerry (<http://www.phys.lsu.edu/newwebsite/people/draayer.html>)

Presenter: DRAAYER, Jerry (<http://www.phys.lsu.edu/newwebsite/people/draayer.html>)

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