

"Anomalous Long Lifetime of Carbon-14"

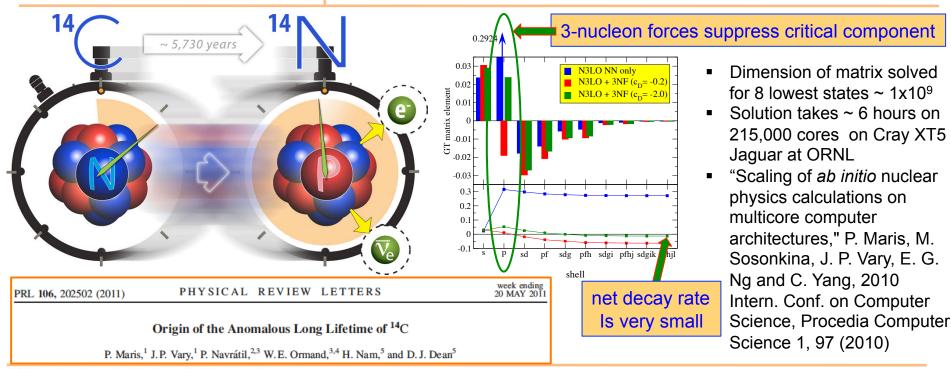


Objectives

- Solve the puzzle of the long but useful lifetime of ¹⁴C
- Determine the microscopic origin of the suppressed β-decay rate

Impact

- Establishes a major role for strong 3-nucleon forces in nuclei
- Verifies accuracy of ab initio microscopic nuclear theory
- Provides foundation for guiding DOE-supported experiments





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