

Nuclear laser spectroscopy of ^{229}Th doped in CaF_2

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- ^{229}Th has the **lowest nuclear excited state** (8.36 eV) among all nuclei
 - Application to **nuclear clocks (frequency standard using nuclear transition)**
 - ^{229}Th talks: tomorrow morning session
- We performed laser spectroscopy of ^{229}Th nuclei doped in CaF_2
 - identified 4 different doping sites

