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PREX/CREX: Neutron Skins and Nuclear Symmetry Energy

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PREX 2 and CREX, recently completed at Jefferson Lab in Newport News, Va, measured the weak form factors of lead and calcium. The PREX 2 result has confirmed that the neutron skin of lead is relatively large and has provided a precise determination of the interior baryon density of a heavy nucleus. The CREX measurement was performed at a non-optimal momentum transfer and has produced a result which is puzzling, given the PREX 2 result. The measured form factor in PREX 2 can be related to various nuclear and neutron-star properties and the CREX result has inspired some discussion within the community. I will present a summary of both experiments and their results.

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