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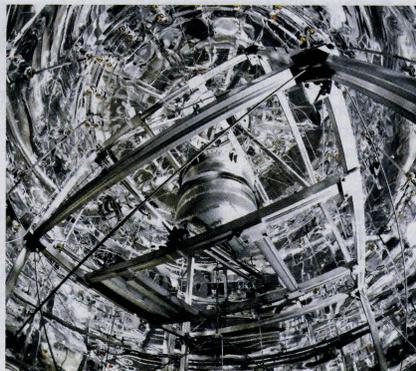
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Caught in the act

The cover shows the XENON1T dark-matter detector at the INFN Gran Sasso National Laboratory near L'Aquila in Italy. The XENON Collaboration has recorded decay of xenon-124, which has a half-life roughly a trillion times the age of the Universe. The team says that xenon-based detection could provide a deeper understanding of neutrino physics. [PAGES 462 & 532](#)

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