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Review Summary; for full text:
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>> Science Podcast
On this week’s show: avoiding quantum back-action effects and a roundup of stories from our daily news site.

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COVER
A male stick insect (Timema knulli) sitting on its host redwood (Sequoia sempervirens) in the Landels-Hill Big Creek Reserve, Big Sur, California. The process of Timema populations adapting to different hosts has repeatedly initiated parallel genetic changes in this group of insects. In turn, these replicate instances of differentiation have resulted in predictable and repeatable patterns of genome divergence by natural selection. See page 738.
Photo: © Moritz Muschick

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A molecular mechanism for transmembrane signaling by the growth hormone receptor is elucidated.
Research Article Summary; for full text: http://dx.doi.org/10.1126/science.1249783
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A membrane and signaling protein interaction network for gene discovery and hypothesis generation is identified in Arabidopsis.

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F. Riccobono et al.
Experiments in the CLOUD chamber at CERN reproduce particle nucleation rates observed in the lower atmosphere.

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725 Electrically Switchable Chiral Light-Emitting Transistor
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760 Positive Feedback Within a Kinase Signaling Complex Functions as a Switch Mechanism for NF-κB Activation
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