

The setup was sensitive enough to sense when the electron is moving upwards and when the motion is restricted, allowing the electron's energy to be precisely measured. This helped refine measurements of the fine structure constant.

The more precise value could help improve the design of electric

	devices and aid scientists in the details of the workings of the universe, the researchers say.
	These results appear in two papers in the July 21 issue of the journal <i>Physical Review Letters</i> .
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