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Confirmation of a new narrow mass state decaying into Upsilon(1S)gamma

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Using the 1.3 fb^{-1} sample of D0 RunII data taken between 2002 and 2006, we observe a new state decaying into $\Upsilon(1S) + \gamma$, where the $\Upsilon(1S)$ is detected by its decay into an oppositely charged muon pair, and the photon is reconstructed by its conversion into an electron-positron pair. The significance of this structure is six standard deviations and its mass is consistent with that of the state recently discovered by the ATLAS Collaboration.

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