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The ATLAS Detector at the LHC: Prospects for an Encore to the Higgs Discovery

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We summarise what we have learnt from the ATLAS experiment at the Large Hadron Collider up until the LHC shutdown that started earlier this year. When the LHC turns back on in 2015 at almost twice the center-of-mass energy many new possibilities will open up for further discoveries. We review some of these possibilities and what they will mean for our understanding of the universe.