Plenary Talk

First results of the MUSE instrument: an enhanced view of galaxy evolution

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With the MUSE instrument on ESOs Very Large Telescope, astronomers have now access to a unique tool to study galaxy evolution. MUSE provides the best ever three-dimensional view of galaxies, revealing a wealth of distances, motions and chemical properties in each observation. This is especially true in the deep fields, where MUSE can go beyond Hubble and reveal previously invisible objects. I will review some of the first science results obtained so far with MUSE, focusing on galaxy evolution from nearby galaxies to the very distant Lyman-alpha Universe.