

WST - the Wide-field Spectroscopic Telescope: surveying the Universe in the 2040's and beyond



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The SKA Observatory: perspectives and synergies with the WST

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A panchromatic approach is essential for a comprehensive understanding of the Universe and its constituents. Only through observations along the entire range of the electromagnetic spectrum it is possible to get a full census of the physical (thermal and non-thermal) processes regulating star formation and nuclear activities in galaxies, as well as of the various galaxy components (stars, multi-phase gas, dust, relativistic plasma). In this presentation I will give a brief overview the SKA project and its scientific perspectives. I will then highlight the potential benefits of a synergistic use of the SKA Observatory and WST, focusing on the role that WST spectroscopic surveys can play in supporting next-generation radio continuum and atomic hydrogen (HI) surveys.

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