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The SKA Working Group Cradle of Life - Where we arrived, what we planned

Wednesday, 29 November 2023 09:00 (50 minutes)

In a nutshell, the SKA Working Group called Cradle of Life aims to understand how the SKA can be used to observe the earliest stages of the raw material for planet formation, allowing, at the same time, deep searches for prebiotic molecules (such as amino acids) both within and beyond our solar system. In this contribution, the preparatory work carried on in the last years by the SKA WG Cradle of Life will be reported, with a special emphasis on the observations performed at cm-wavelengths in both continuum and lines. The SKA1 Science Use Cases in the Cradle of Life context will be briefly introduced. The status on simulations and laboratory experiments will be also outlined.

Research area

Cradle of Life

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Session Classification: Parallel - Our Galaxy & Cradle of Life