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First Results of the Phoebos Simulation: Galaxy Sizes during the Early Universe

We will present initial results from the Phoebos simulation, emphasizing its connection to SKA's HI science. Using the ChaNGa code, Phoebos models a large volume of the Universe and accurately reproduces key galaxy statistics. This talk will focus on galaxy sizes at z > 8, providing new insights into the formation and evolution of early galaxies.

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