SN2025gw: First IGWN Symposium on Core Collapse Supernova Gravitational Wave Theory and Detection

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Core-collapse supernova gravitational-wave sounds

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Core-collapse supernovae (CCSNe) are exploding massive stars and the next Galactic event will be one of the most interesting astronomical events of the century. If the nearby CCSN will be strong enough and the light won't be obscured by the Galactic dust then it may be visible in the sky. If gravitational waves are detected, we will be able to even listen to this explosion. The sounds of merging compact binaries like black holes and neutron stars are fairly well known, but the sounds of CCSNe are not available publicly. We will fill this gap by converting CCSN gravitational-wave signatures to sounds. They will be easily accessible on a website.

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