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Marc Geiller (ENS Lyon): Subleading asymptotic structure of spacetime

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Asymptotic symmetries provide a powerful insight into the structure of gravitational radiation and memory effects in asymptotically flat spacetimes. In this talk I will review the recent developments aiming at enlarging the available asymptotic symmetries. This will be explained via a dictionary between the Bondi-Sachs formalism and the Newman-Penrose formalism, which enables to study the fine subleading structure of asymptotically-flat spacetimes.

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