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Probing hadron-quark phase transition in inspiralling neutron stars

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The discovery of GW170817 has significantly advanced our understanding of the high-density equation of state. In this talk, I will showcase our recent findings, which involve constraining the hadron-quark phase transition using both the existing GW170817 data and future GW observations. The discussion will encompass the constraints derived from both quasi-equilibrium tides and dynamic tides.

Primary author: MIAO, Zhiqiang (Xiamen University)

Co-authors: Prof. ANG, Li (Xiamen University); Dr ZHENYU, Zhu (TDLI); Dr SOPHIA, Han (TDLI); Prof. ENPING, Zhou (Huazhong University of Science and Technology); Prof. BING, Zhang (University of Nevada Las Vegas); Prof. ZI-GAO, Dai (University of Science and Technology of China)

Presenter: MIAO, Zhiqiang (Xiamen University)

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