## Workshop on Kinetic Models of Relativistic Plasmas



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## Monster electromagnetic waves and shocks in the magnetospheres of neutron stars

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Magnetars are believed to excite ultrastrong electromagnetic waves of low frequencies. Physics of these magnetospheric waves will be discussed. Their propagation and damping involves formation of monster radiative shocks, extreme plasma heating, and production of X-rays. The results can help understand the observed activity of magnetars, including X-ray bursts and fast radio bursts.

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