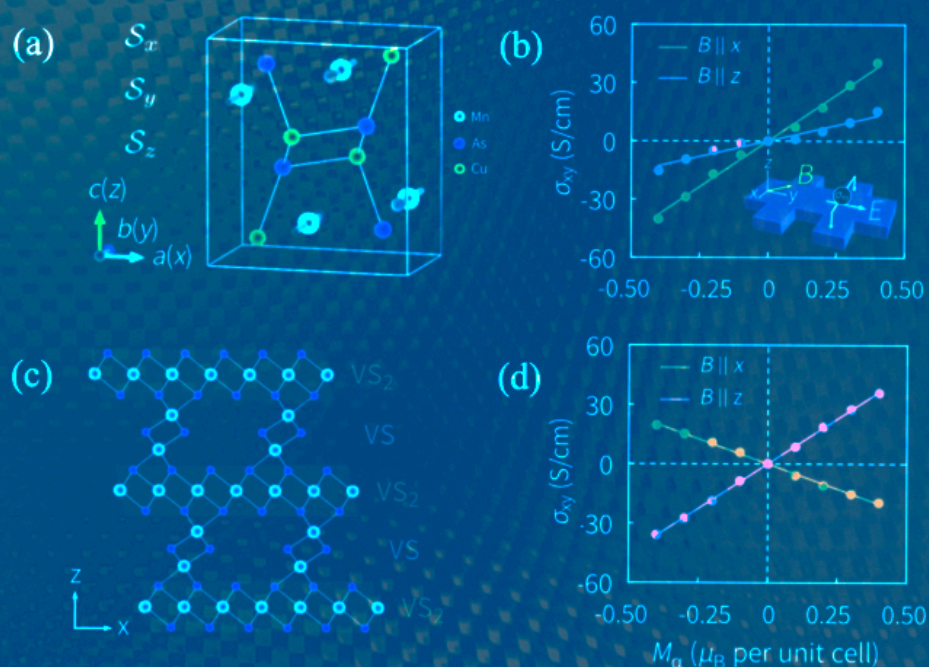


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No.41

Science Island Express

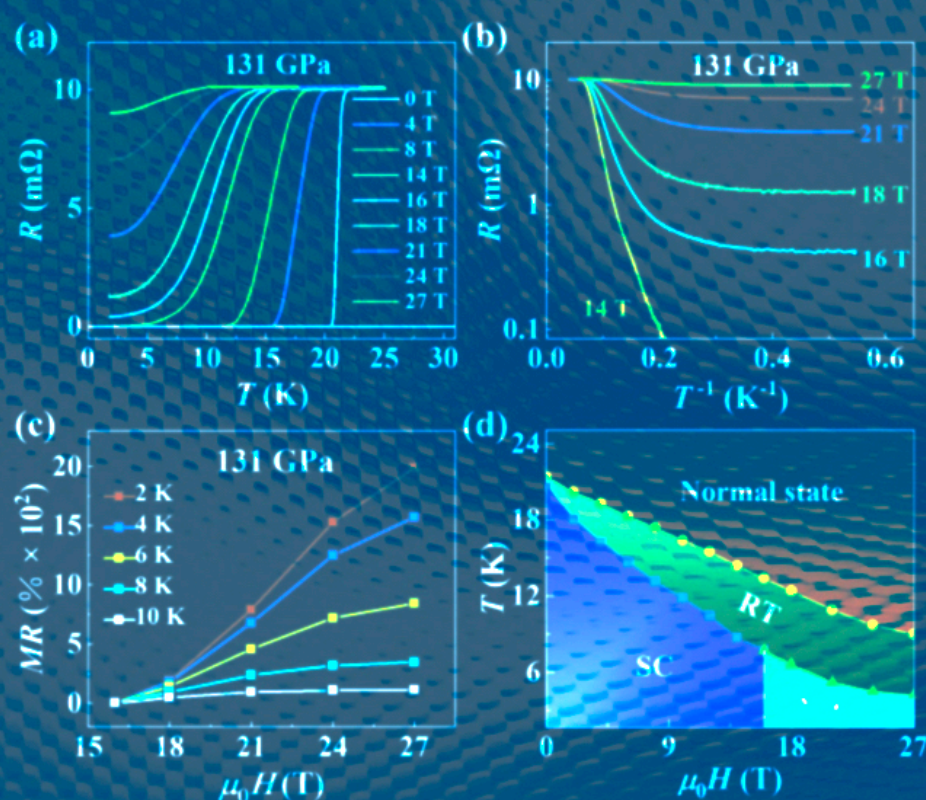
The Science Island Express delivers the most recent happening at HFIPS.

MATERIAL



Based on the symmetry analysis, HFIPS researchers and their collaborators found an unconventional anomalous Hall effect induced by the in-plane magnetic field via the spin-canting effect in PT-symmetric antiferromagnetic systems.

FACILITY's ROLE at SCIENCE FRONTS



SHMFF's user reported an experimental discovery of a three-dimensional anomalous metallic state in titanium metal at Megabar pressures in diamond anvil cell by using Water-cooled Magnet 5 of the Steady High Magnet Field Facility, HFIPS.

COLLABORATION



Benefiting from the previous effort in HFIPS's international collaboration of fusion research where exploration across-borders is absolutely necessary, Pilot Program for Open Innovation on Magnetically Confined Fusion Energy Research kicked off last week on Science Island with a mission to form a globally influential partnering network to facilitate advancement of fusion research.

