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Resonant x-ray scattering of Quantum Materials at the Canadian Light Source

Wednesday 31 May 2017 08:25 (25 minutes)

Recent measurements using resonant soft x-ray scattering in the cuprate superconductors have shown that charge density wave order and electronic nematicity are key ingredients in the long-standing problem of high-temperature superconductivity. I will discuss the development of this technique at the Canadian Light Source and show how it has led to new insights in the physics of the cuprates and other quantum materials.

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