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## Capturing the Fastest Dynamics in Materials using High Harmonic Sources

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In recent work, we captured intrinsic sub-femtosecond electron-electron scattering dynamics in materials for the first time. A powerful new technique called atto-ARPES (i.e. attosecond angle-resolved photoemission) enables deep-sub-fs measurements with sufficient energy resolution to separate different bands and states. This is the first way to directly probe the contribution of electron scattering and screening to low-energy excitations near the Fermi level.

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