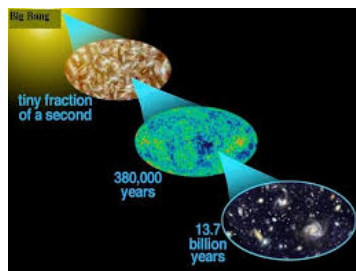


## International WORKSHOP on “Emerging trends in High Energy and Condensed matter Physics”



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### Recent Advances and Challenges in Compton Scattering from Heavier Metals

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As Compton scattering is a powerful technique for the determination of electronic structure of materials, with the advent of high resolution in spectrometers, in the past two decades. Several measurements on single crystal materials have been carried out to determine electron momentum distribution using this technique. In this paper, I present a review of such studies on heavier metals and emphasis is made towards the challenges encountered.

Key words: Compton scattering, Electron momentum distribution, Heavy metals, High resolution, Single Crystals

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