

TOWARDS X-RAY ATTO- SCIENCE WITH CHIRAL SENSITIVITY

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The upcoming prospect of TW attosecond photon pulses in combination with undulator-based polarization control will originate a new vista on ultrafast processes in chiral matter such as the building blocks of life. The first FEL studies of dynamics in chiral molecules as well as investigations of electron processes with the world's most powerful attosecond pulses will be presented and put in perspective regarding their interdisciplinary relevance for photon science in Hamburg.

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