

Report on the current developments and experiments of the Dresden EBIT System

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Abstract. The developmental direction of the Dresden EBIT system is being supplemented by a new model, the Dresden EBIS⁴. A short review of the development history and an outline of the status will be given. Recent measurements of time-resolved and energy-dispersive X-ray spectroscopy are presented with focus on the dielectronic recombination resonances of krypton.