

*Seminar*

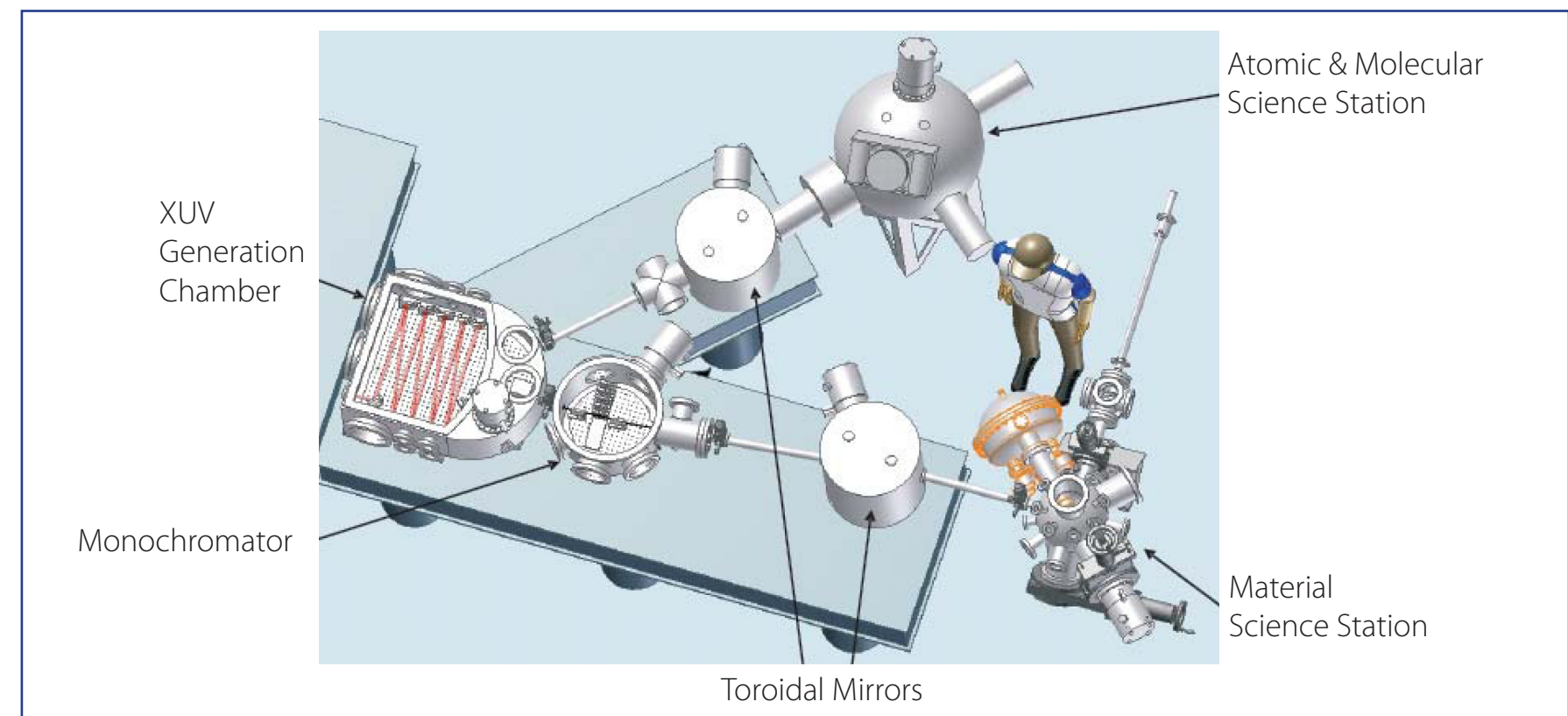
# *ifa* Institutul de Fizică Atomică

## Ultrafast Science and Development at the Astra-Artemis Facility

*Edmond TURCU*

Central Laser Facility, STFC Rutherford Appleton Laboratory, UK

Astra-Artemis is a unique, new, ultrafast science facility under development in the UK. The presentation will report on the: (a) ultrafast science experimental results obtained with Artemis on: HHG mapping of electronic structure; ultrafast molecular process; HHG with 2-colour laser fields, energy transfer in photosynthesis and (b) Artemis facility development of new ultrafast XUV and laser beamlines and time-resolved science end-stations.



**Miercuri 9.09.2009, ora 11<sup>00</sup>, Sala de consiliu, Bloc Turn, etaj 9**