

The ECTI Conference At Redworth Hall In September 2010.

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Following the success of the MAPPI meeting in Les Houches in May 2008, the 2010 European Conference on Trapped Ions (ECTI 2010) will held at Redworth Hall in County Durham, England, 19-24 September 2010 [1].

Ion traps are used as a basic tool in a wide variety of experiments today, and ion trappers with different applications often deal with very similar challenges. This conference addresses researchers interested in the various experimental and theoretical aspects of ion trapping, including quantum information, atomic and molecular spectroscopy, metrology, high-precision determination of atomic ground state properties, cavity QED experiments as well as the production of cold molecules. The meeting is intended to provide an up to the minute overview of the current state of the field and to provide an opportunity for younger researchers to describe their recent research and future plans. A small fraction of the programme will be put aside to tutorial talks intended to provide an overview of specific sub-fields within the general remit of physics and chemistry using trapped ions. We are planning the meeting to maximise the opportunities for discussions and the venue has been chosen with this in mind.

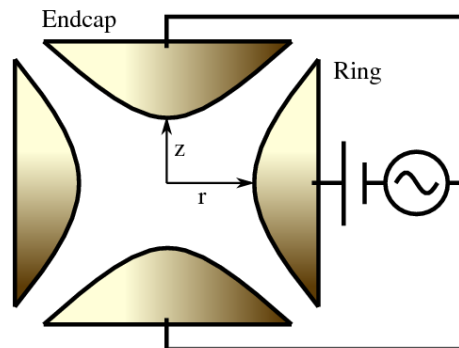


Figure 1. Cross section through the electrodes of a hyperbolic Paul trap.

Abstracts should be provided in a camera-ready electronic form (Word or PDF). They should be prepared in a minimum of 10 point type (preferably Arial or Times New Roman) and limited to one A4 page. The title should be in 12 point type. A maximum of two figures may be included. The abstract deadline is 10 July 2010. Abstracts received after this date will not be included in the book of abstracts and will not be considered for the “Hot Topics” sessions at the meeting. The proceedings of the MAPPI conference in 2007 were published following the meeting [2], and it is our intention to do the same for ECTI 2010.

[1] <http://www.sussex.ac.uk/physics/igt/ECTI/>

[2] M Knoop, L Hilico and J Eschner, J. Phys. B **42**, 150201 (2009)