



Contribution ID: 330

Type: **not specified**

## Hadron electric polarizability – finite volume corrections

*Tuesday, 15 June 2010 15:30 (20 minutes)*

Hadron polarizability are usually measured on the lattice using the background field method. To create a uniform field one can use either periodic boundary conditions that force the electromagnetic field to assume quantized values or Dirichlet boundary conditions where the field can assume any value but the translational invariance is broken. In both cases, the energy shifts measured have finite volume corrections that decay slowly with increasing lattice size. In this talk we discuss these corrections and present results for electric polarizability on different lattice sizes.

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talk

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**Session Classification:** Parallel 25: Hadronic structure and interactions

**Track Classification:** Hadronic structure and interactions