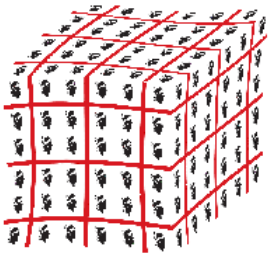

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Hadron electric polarizability – finite volume corrections

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.

Please, insert your presentation type (talk, poster)

talk

Primary author: ALEXANDRU, Andrei (The George Washington University)

Co-author: LEE, Frank (The George Washington University)

Presenter: ALEXANDRU, Andrei (The George Washington University)

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