



Contribution ID: 100

Type: **not specified**

## Automatic Lagrangian Generation

*Tuesday 8 May 2012 15:30 (15 minutes)*

### **Abstract:**

In particle physics, after specifying the symmetries of a theory, the field content and their transformations under the symmetries, the resulting procedure for obtaining physical results is well-defined and algorithmic. This talk presents a program that permits the user to simply specify the relevant content and automatically generate a lagrangian.

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**Session Classification:** QCD/Tools