

# Hands-on Work 2

Geant4 Collaboration  
KEK/CRC



# Hand-on Work -2

## The first Geant4 user application

### Practice on basic geometry implementation

- implementation of detector construction class
- volume placement
- collision detection

## How to use particle gun

# Exercise

EX6LCI26

<http://www-geant4.kek.jp/g4users/g4tut07/exercise-2.html>

## The first Geant4 user application

- interactive session using macro file

## Implement simple geometry

- 8 boxes circularly placed around the Z axis.
- a cylinder inside a box
- Step by step implementation
- Collision detection

## Usage of particle gun

