

## LOI SID (Subsystem description)

### 1. Definition of subsystem

#### 1.1 Name of the subsystem

#### 1.2 Contact person(s) for LOI writing

#### 1.3 Geometrical definition: Where it is located. Dimensions

#### 1.4 Function

#### 1.5 Requirements/specifications

Physics benchmark(s) that the system is most relevant.

### 2. Description of the subsystem

#### 2.1 Concept

#### 2.2 Baseline design

#### 2.3 Expected performance

#### 2.4 Options

### 3. R&D roadmap

#### 3.1 Issues

#### 3.2 Milestones (Before 2012, and after 2012)

#### 3.3 Resources needed

### 4. Estimated construction schedule

#### 4.1 How long does it take to build it.

#### 4.2 Required human resources

### 5. Estimated cost

### 6. Organization of the detector subgroup

#### 6.1. Institutions involved

### 7. Q&D : anticipated questions from IDAG and answers to them