



Coordination and synergy-building in the European Ancillary Detectors community

**EGAN network tasks in the new
ENSAR proposal**

Why?

- New large γ -arrays are being build (AGATA, DESPEC) or upgraded (EXOGRAM)
- New RIB facilities require the development of experimental techniques and detectors
- Required de design and construction or upgrade of ancillary/complementary detectors
- Synergy building and coordination in the community building detectors will be essential

Purpose:

- ensure the maximum compatibility and versatility
- minimizing the impact of ancillary detectors on the performances of large Ge arrays
- coordination in the construction and upgrade of ancillary devices will allow:
 - the integration of the data acquisition and electronics,
 - the integration of the mechanics (mechanical design compatibility)
 - collaboration on the Monte-Carlo simulations of the physics cases.

EGAN (ENSAR) TASK 2:

Coordination on Ancillary Instrumentation

Subtasks as activity of Working Groups

- ***Subtask 1: Activity of WG1:*** Co-operation on the use, design and construction of ancillary detectors to improve the performance and compatibility of the devices.
- ***Subtask 2: Activity of WG2:*** Co-operation on designing and building the electronics and data acquisition and on the mechanical integration.
- ***Subtask 3: Activity of WG3:*** Exchange of information on the development of simulation tools

Idea behind the subtasks:

- 1) exchange of information between the groups involved in the design and construction of ancillary detectors: to optimize the use of present resources and to improve the performance and compatibility of devices presently in the R&D phase.
- 2) exchange of information between groups responsible of the electronics, data acquisition coordination for the construction of common component. Exchange of information for mechanical integration and mechanical compatibility.
- 3) exchange of information between groups working on the development of simulation tools for the optimization of the detector design.

Outlook:

- If ENSAR-EGAN financed: it will be a framework for the activities with funds for the coordination efforts
- If ENSAR-EGAN funding is delayed: possible alternative frameworks should be identify
- Proposal: to identify the activity conveners