

## Sardana Workshop 2025



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## Advances in the experiment synchronization

We recently introduced the concept of Multiple Synchronizations within Sardana measurement groups, expanding the framework's flexibility and capabilities. In this presentation, we revisit this concept and demonstrate how it enables the integration of diverse experimental channels that require distinct synchronization strategies like fast cameras and passive elements like shutters, lasers, or motors with slower or event-driven behaviors. We also discuss strategies for configuring relations between elements, ensuring coherent coordination.

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