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NEW DATA ARCHIVE SYSTEM FOR SPES PROJECT BASED ON EPICS ARCHIVER APPLIANCE

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SPES project is a ISOL facility under construction at INFN, Laboratori Nazionali di Legnaro, which requires the integration between the accelerator systems actually used and the new line composed by the primary beam and the ISOL target. EPICS has been chosen as main Control System framework for the project; as consequence, a migration from the actual control system to the new one is mandatory in order to reuse the actual system for the new facility. One of the first implementation realized for this purpose is the Archiver System, an important service required for experiments and the machine. Comparing information and experiences provided by other Laboratories, an EPICS Archive Appliance is implemented to provide this service. Preliminary tests are done with a dedicated hardware and following the project requirements. After these tests, the system is going to be moved in production, where it will be integrated with the first subsystem upgraded to EPICS: beam transport. Dedicated customizations are made to the application for providing a simple user experience in managing and interact with the archiver system.

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