

Release Notes - HPS Java - Version 3.0.3

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Bug

- [\[HPSJAVA-259\]](#) - Log to file setting is broken
- [\[HPSJAVA-264\]](#) - NullPointerException in record loop after disconnect

Improvement

- [\[HPSJAVA-88\]](#) - Change the SVT readout simulation and track reconstruction to make use of the conditions database
- [\[HPSJAVA-215\]](#) - Add option for saving and loading of the GUI configuration
- [\[HPSJAVA-223\]](#) - Add full sample data for pedestal and noise by SVT channel
- [\[HPSJAVA-252\]](#) - Add a panel that shows the info of the currently selected ChartPanel

Task

- [\[HPSJAVA-93\]](#) - ECAL readout simulation and reconstruction modules must be changed to use the new database conditions system
- [\[HPSJAVA-107\]](#) - Cosmic Calibration for ECAL
- [\[HPSJAVA-108\]](#) - Determine ECAL Sampling Fractions
- [\[HPSJAVA-111\]](#) - Implement ECAL cluster position corrections
- [\[HPSJAVA-113\]](#) - Understand and tune trigger parameters
- [\[HPSJAVA-232\]](#) - Updates to conditions system API for SVT
- [\[HPSJAVA-255\]](#) - Merge conditions changes to development branch
- [\[HPSJAVA-261\]](#) - Rewrite software installation instructions
- [\[HPSJAVA-269\]](#) - Merge hps_java_trunk_HPSJAVA-255 branch into trunk
- [\[HPSJAVA-270\]](#) - Merge hps-java_HPSJAVA-88 branch into hps_java_trunk_HPSJAVA-255 branch
- [\[HPSJAVA-271\]](#) - Monitoring Application must be made backward compatible with the ET 12.0 release.

Sub-task

- [\[HPSJAVA-63\]](#) - Fit multiple pulse pileup
- [\[HPSJAVA-211\]](#) - ECAL - Pi0 Trigger
- [\[HPSJAVA-214\]](#) - ECAL Pi-0 Calibration integration with Conditions DB.
- [\[HPSJAVA-233\]](#) - SVT pedestal and noise must have 6 samples each.
- [\[HPSJAVA-234\]](#) - SVT pedestal and noise should have their own conditions classes.
- [\[HPSJAVA-235\]](#) - The SVT DAQ map needs to be updated to use the new sensor identifiers.
- [\[HPSJAVA-236\]](#) - The SvtChannel condition needs to be updated to use the new sensor identifiers.
- [\[HPSJAVA-237\]](#) - The SvtBadChannel condition should have a note field.
- [\[HPSJAVA-238\]](#) - The SvtPulseParameters API should be changed.
- [\[HPSJAVA-239\]](#) - There should be conditions attached to the individual SVT sensors.