

# bMCA Report

## bMCA Device Identifiers

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Serial Number: 01223023  
Firmware Version: V2.2.004  
Firmware release date: Tuesday, 1 March 2016  
Production date: Tuesday, 25 April 2023

## MCA Settings

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Input polarity: Negative  
Number of channels: 2048  
Coarse gain: 1  
Fine gain: 1,000  
Digital gain: 64  
LLD (chn): 4  
ULD (chn): 2047  
Threshold: 5  
Rise time ( $\mu\text{sec}$ ): 3,20  
Flat top ( $\mu\text{sec}$ ): 1,00  
Pole/Zero ( $\mu\text{sec}$ ): 1,80  
Base line restorer (BLR): Enabled  
Pileup rejector (PUR): Enabled  
High Voltage (Volts): 620,0 (ON)

## Data acquisition

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Spectrum ID: bMCA Spectrum  
Acquisition date: Wednesday, 1 October 2025 12:19:49  
MCA acquisition mode: PHA  
Preset mode: Real Time  
Preset value (sec): 120  
Elapsed live time (sec): 119,385  
Elapsed real time (sec): 120  
Dead time: 0,51%  
Throughput (cps): 540,0

## Calibration

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Energy calibration: Calibrated

Offset (keV)	Slope (keV/chn)	Quadratic term (keV/chn <sup>2</sup> )
-7,70	1,03	0,00

## Spectrum

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