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# Testing and modeling of the HpGe detector with anti-Compton shield

Simulating with GEANT4 of anti-Compton shield containing eight BGO scintillators that works on anti-coincidence with HpGe detector was presented. The coefficient value of Compton tail suppression on $^{60}$Co spectrum was taken by simulating and from experiment. Comparing results of experimental data with simulating were presented. The influence of anti-coincidence inclusion on the detector efficiency was determined with simulation.

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