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Wavecatcher Boards for Calorimeter Electronic readout at SuperNEMO

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The SuperNEMO experiment goal is to probe the nature of the neutrino through the neutrinoless double beta decay research. It uses the so-called tracko-calorimetry technique which allows not only to measure the energy of particle traversing the detector but also to reconstruct their track, time of flight and full kinematic. Specific boards using Wavecatcher architecture are used for the calorimeter readout of the SuperNEMO demonstrator. Some trigger features had been implemented while the standard Wavecatcher readout features are used. Wavecatcher boards provide us good timing and energy resolutions and also a great scalability for the 712 calorimeter channels of the SuperNEMO demonstrator.

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