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Calibration Procedures for Large Sodium Iodide Detectors KELSEY BUGGELLI, University of Massachusetts Dartmouth, MAX-LAB COLLABORATION — In order to have accurate and meaningful experimental results the equipment used for measurement must be calibrated. This project is concerned with the time and energy calibrations of the large sodium iodide detector known as BUNI. The data was collected by placing BUNI directly in a beam of known energy electrons. The data was modified by a series of physically well known corrections. The exact method of calibration will be described in greater detail. The consequences of performing calibrations with different triggers types will also be discussed. This report will also show how the scripts have been amended in order to give more physically meaningful results. These calibrations were done as part of the data analysis for the "Photoproduction of Pions" experiment, which was done at Max-Lab in Lund, Sweden during June 2014.

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