

ZDC N-S Correlations

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Introduction

This document provides a description of the ZDC N-S correlation plots attached. The plots were made with data (56 x 56 store) collected on May 25, 2023 9PM ET. The pulse amplitudes were collected with a standalone DAQ (Picoscope 3406D, run on Picoscope 7.1.X) software. The entries of the plots are the amplitudes of the pulse from the scope. There are no pulse maximum time cuts, and the trigger is 20mV. For a given trigger, its axis do not start from zero due to the trigger threshold. The band along the trigger axis is also expected due to triggering on the EM part.

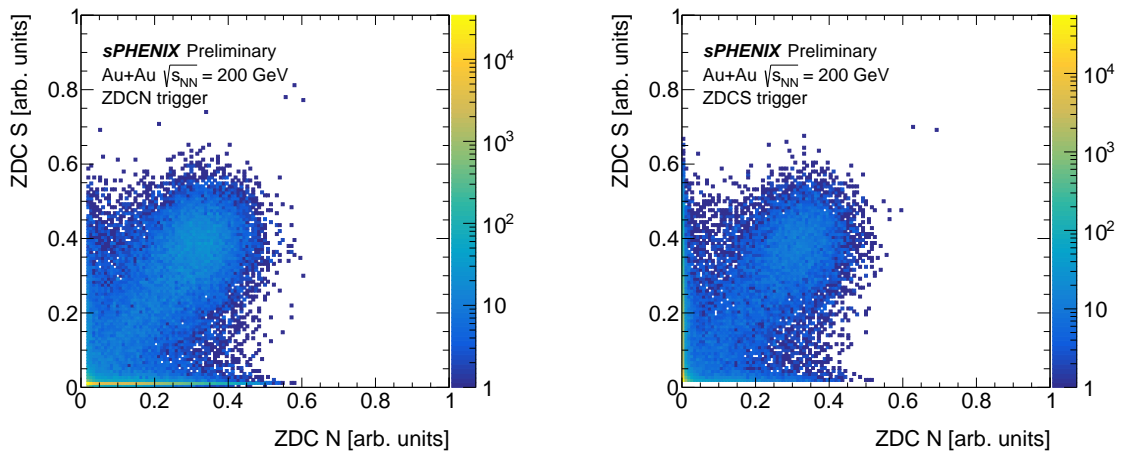


Figure 1: (Left) ZDC N-S correlation using the north ZDC as trigger. (Right) ZDC N-S correlation using the south ZDC as trigger.