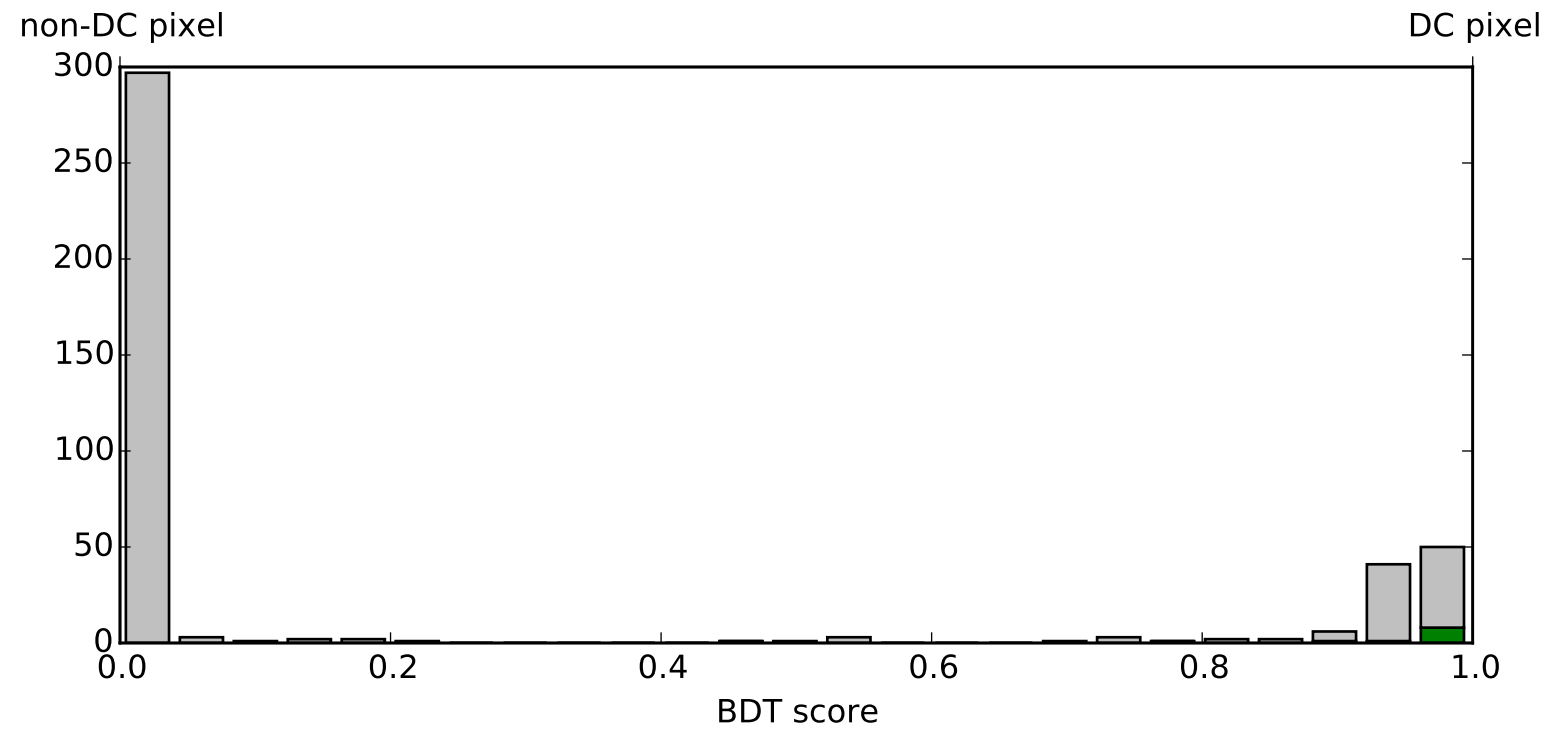
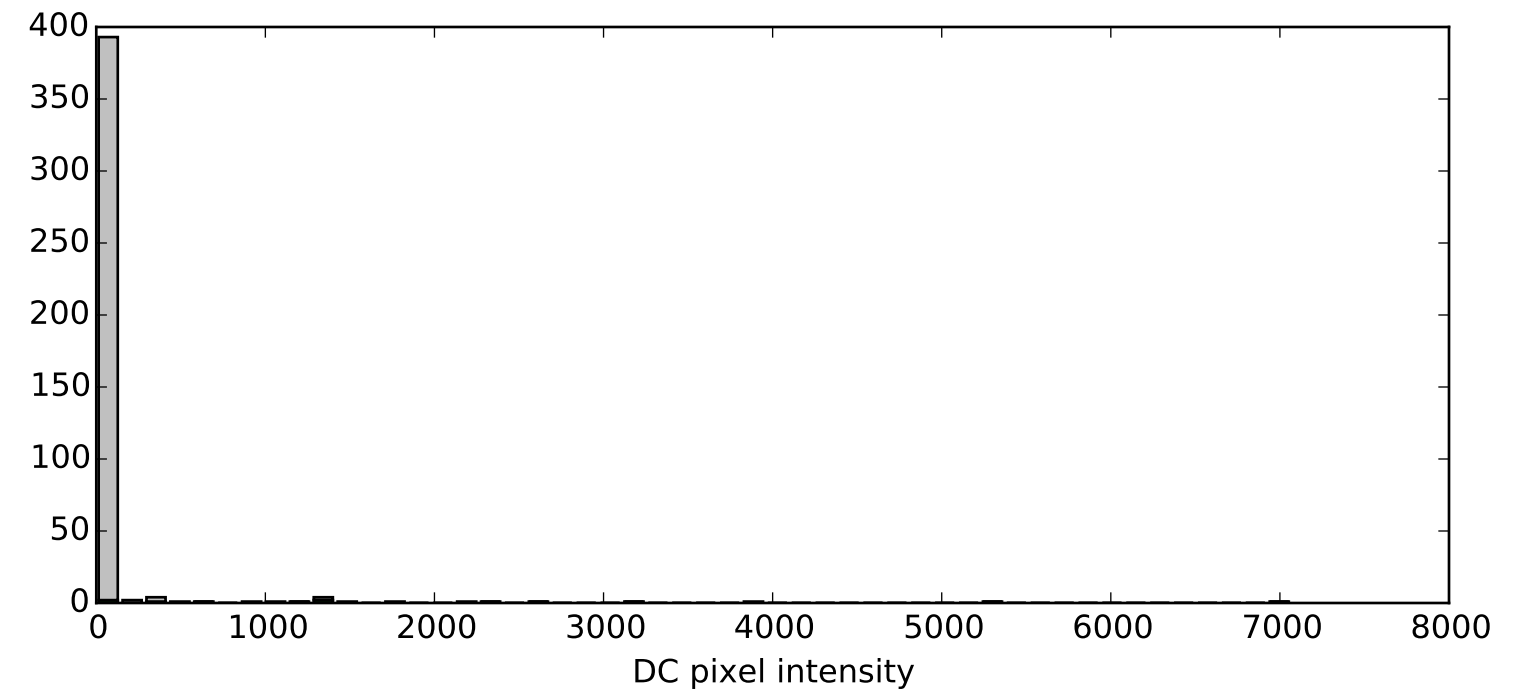


Correct
Incorrect

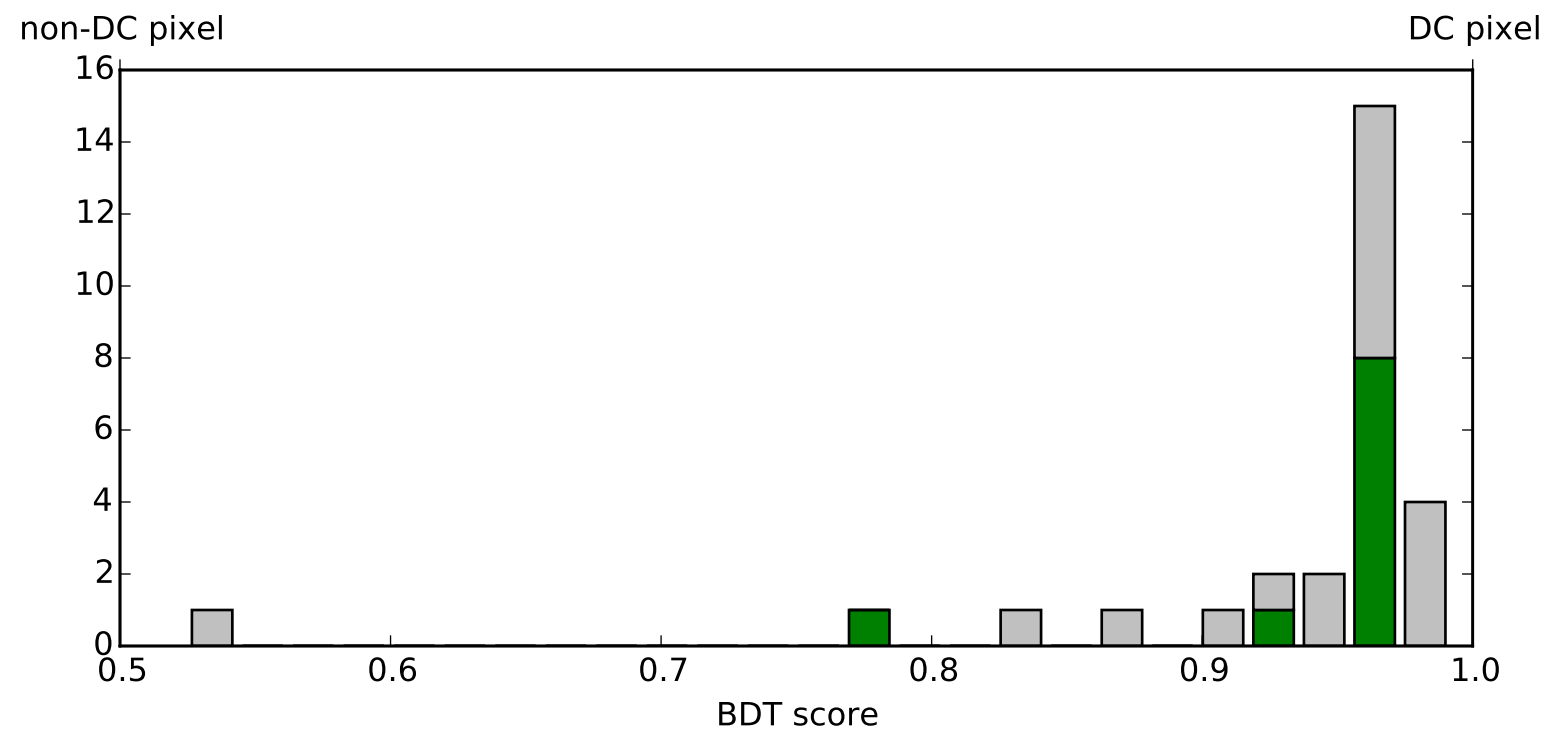
Distribution of BDT-reconstructed Events



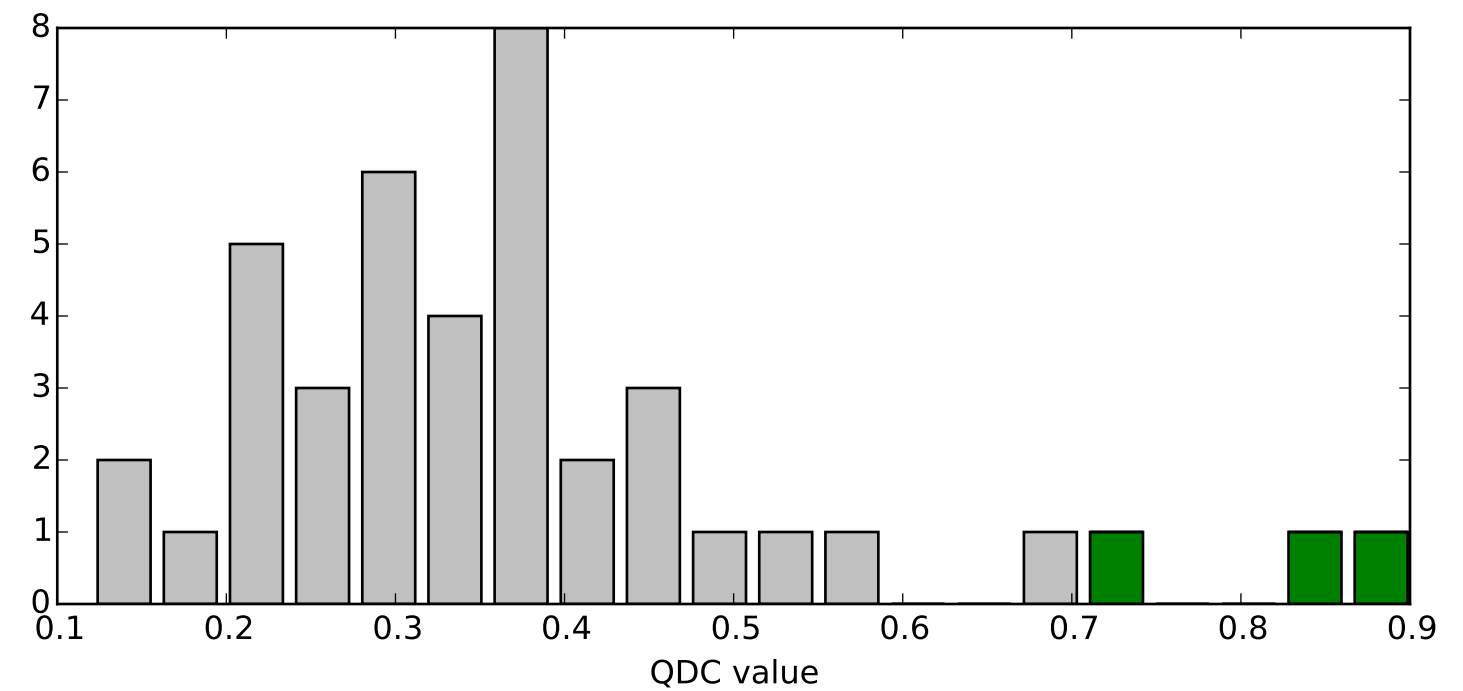
Signal in pure DC pixel without shower



Distribution of BDT-reconstructed Events, after Score and Signal cuts



Distribution of QDC-reconstructed Events



We have 461 events. Of these, there are 461 total images, including 27 images triggered with DC light. In total, 5.86 % of all images have DC light to reconstruct.
We have 5 true 4-tel events, giving an expected rate of 1.08 %. We reconstruct 1 4-tel events, giving an acceptance rate of 20.00 %.
We have 5 true 5-tel events, giving an expected rate of 1.08 %. We reconstruct 0 5-tel events, giving an acceptance rate of 0.00 %.
There are 0 events which are not really high-multiplicity, a rate of 0.00 %.
In total, 3 pixels are correctly identified using QDC method. Method Identified 0.65 % of all images.
In total, 12 pixels are correctly identified using BDT method. Method Identified 2.60 % of all images.

Our QDC cut requires $QDC < 0.14 \log(Itot / 161 \cos(\theta))$, leaving 41 images.
Of these, 3 are correctly identified images.
Successful ID rate after cut is 7.32 %
Fraction of pixels correctly identified is 0.65 %
Fraction of pixels incorrectly identified is 8.24 %
Additionally requiring multiplicity > 3 , we have 0 images .
Of these, 0 are correctly identified images.

Our BDT cut requires Signal Probability > 0.5 , we have 109 images.
Of these, 11 are correctly identified images.
Successful ID rate after cut is 10.09 %
Fraction of pixels correctly identified is 2.39 %
Fraction of pixels incorrectly identified is 21.26 %
Additionally requiring signal > 150 , we have 28 images.
Of these, 10 are correctly identified images.
Successful ID rate after cut is 35.71 %
Fraction of pixels correctly identified is 2.17 %
Fraction of pixels incorrectly identified is 3.90 %
Additionally requiring multiplicity > 3 , we have 0 images .
Of these, 0 are correctly identified images.
Additionally requiring Aspect ratio > 0.4 , we have 0 images .
Of these, 0 are correctly identified images.

Distribution of BDT-reconstructed Events, after cuts

