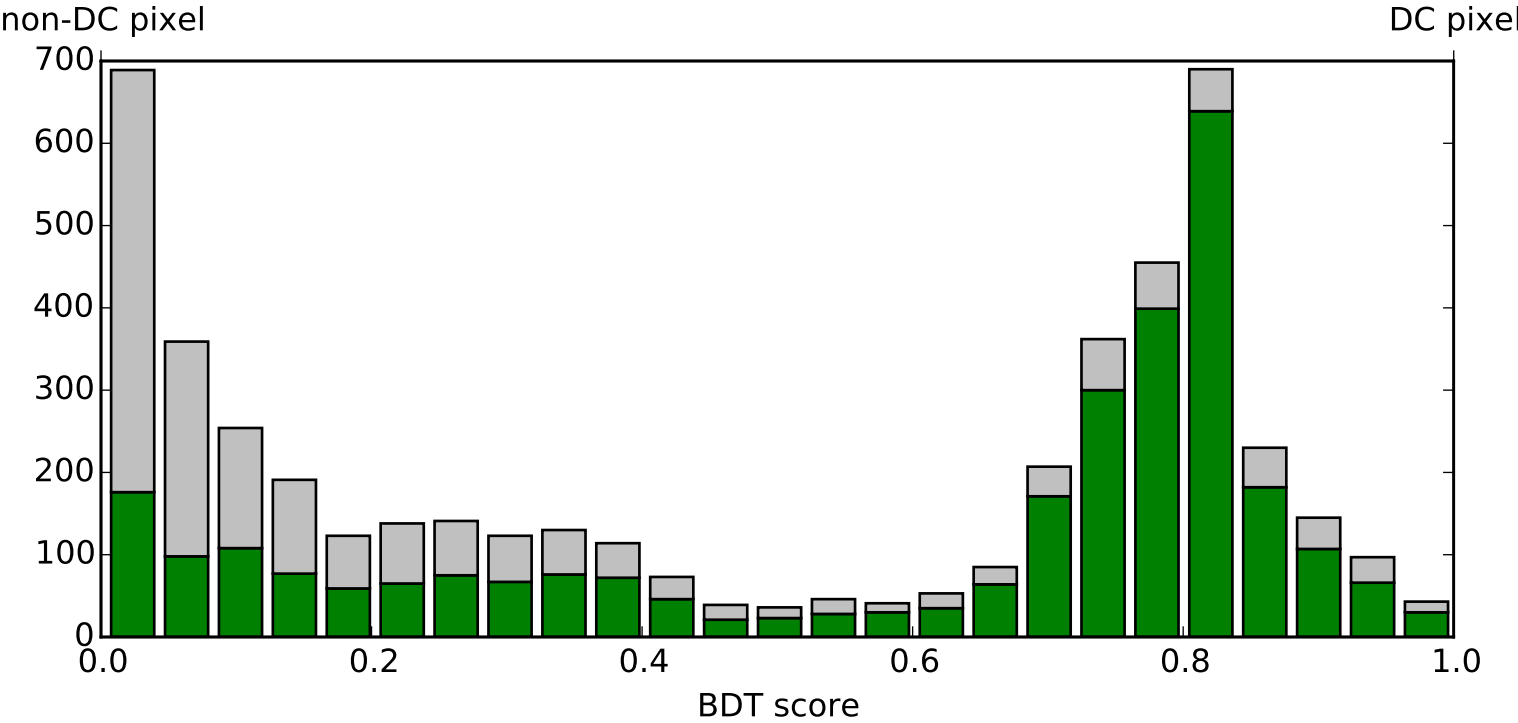
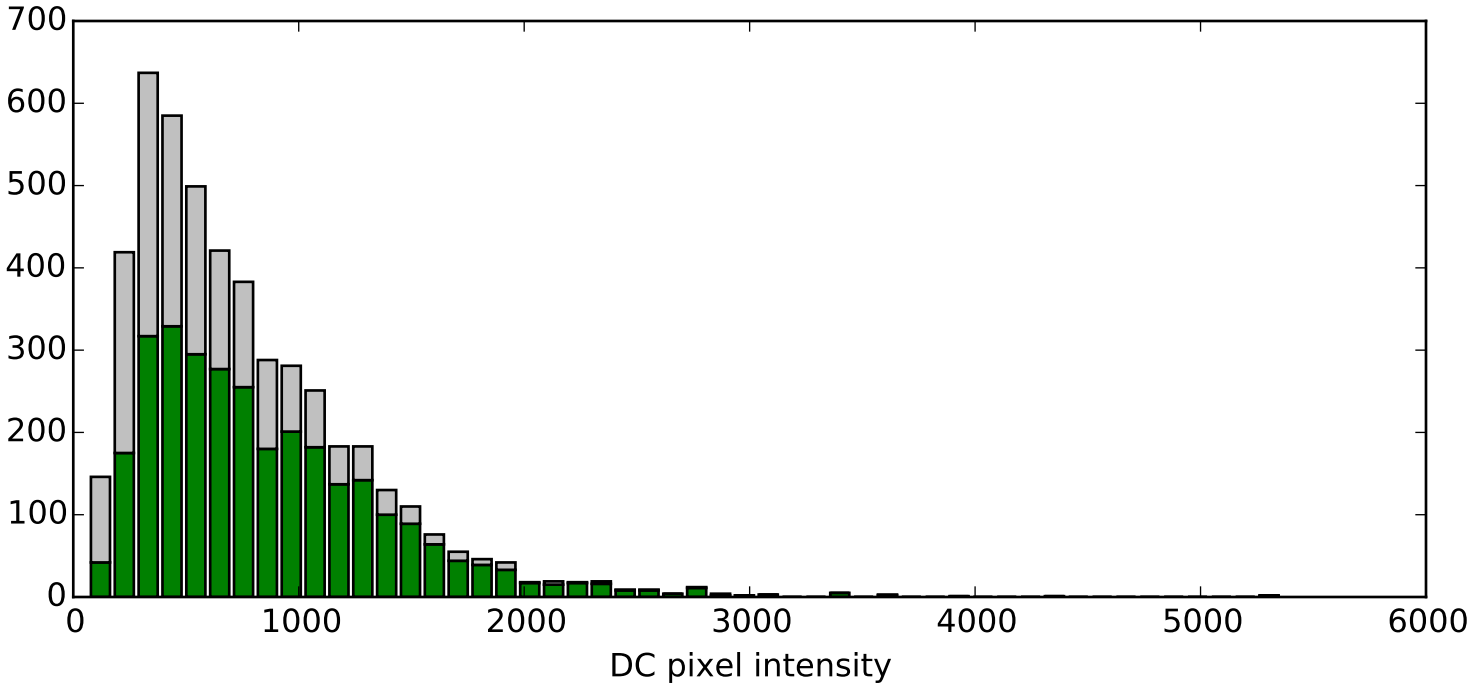


Correct
Incorrect

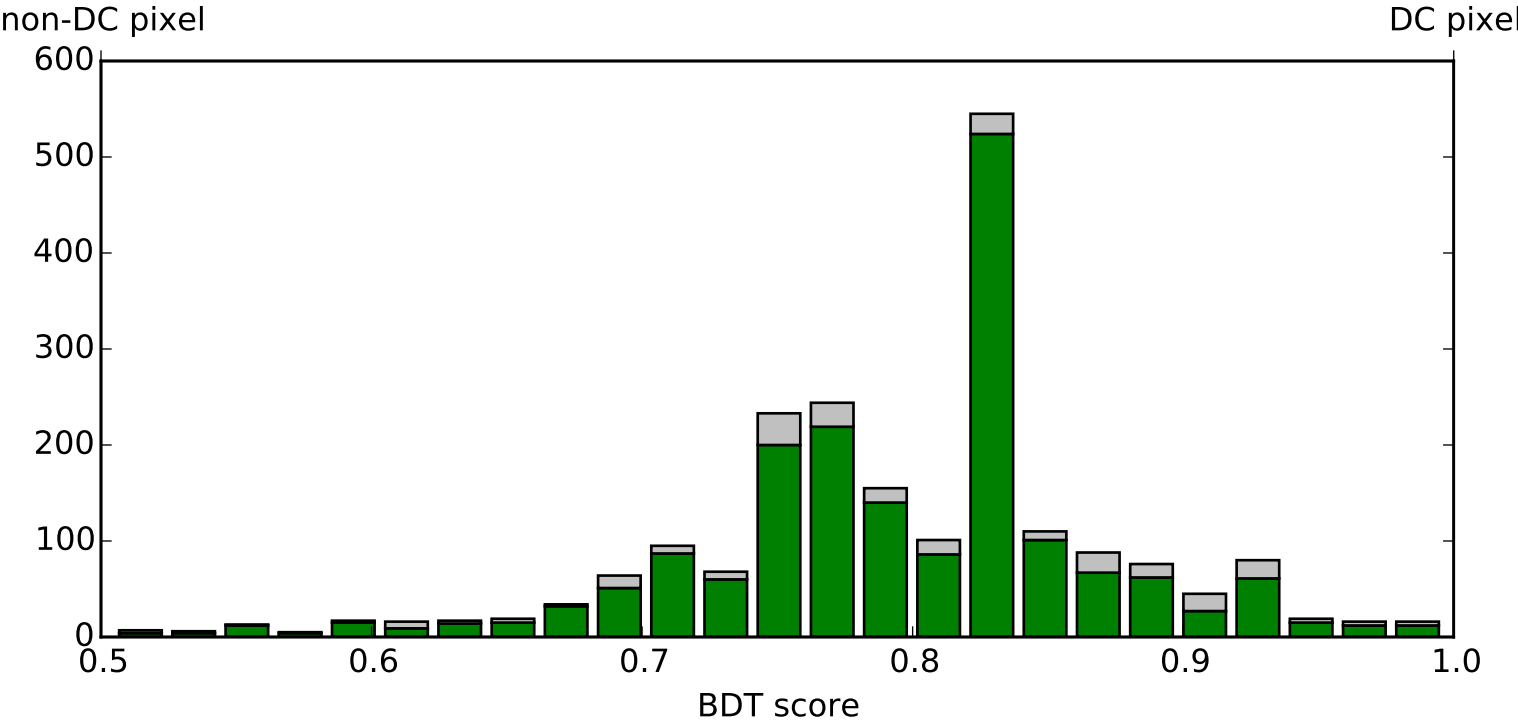
Distribution of BDT-reconstructed Events



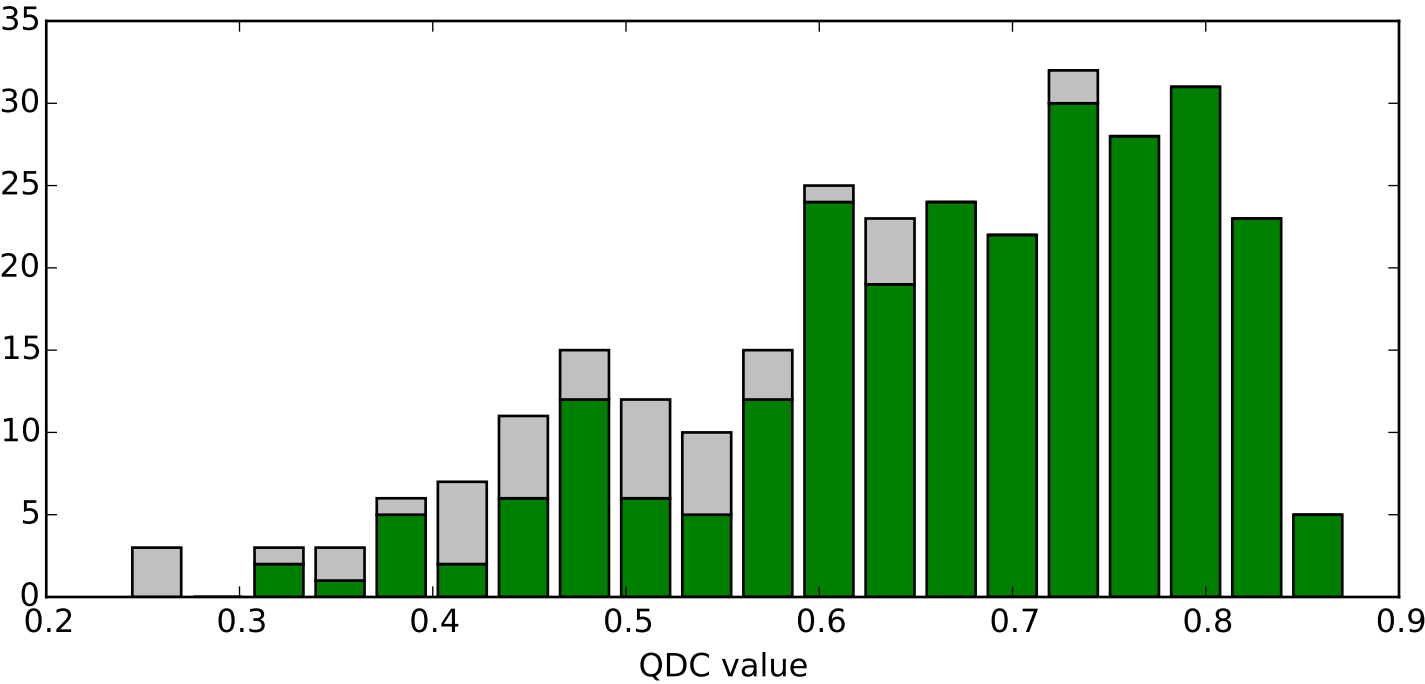
Signal in pure DC pixel without shower



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



Distribution of QDC-reconstructed Events



We have 1245 events. Of these, there are 4911 triggered images.
In total, 257 pixels are correctly identified using QDC method. Method Identified 5.2 % of all images.
In total, 3014 pixels are correctly identified using BDT method. Method Identified 61.4 % of all images.

Our QDC cut requires $QDC < 0.14 \log(I_{tot} / 161 \cos(\theta))$, leaving 298 images.
Of these, 257 are correctly identified images.
Successful ID rate after cut is 86.2 %
Fraction of pixels correctly identified is 5.2 %
Fraction of pixels incorrectly identified is 0.8 %
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 2477 images.
Of these, 2066 are correctly identified images.
Successful ID rate after cut is 83.4 %
Fraction of pixels correctly identified is 42.1 %
Fraction of pixels incorrectly identified is 8.4 %
Additionally requiring signal > 150 , we have 2089 images.
Of these, 1833 are correctly identified images.
Successful ID rate after cut is 87.7 %
Fraction of pixels correctly identified is 37.3 %
Fraction of pixels incorrectly identified is 5.2 %
Additionally requiring multiplicity > 3 , we have 915 images.
Of these, 826 are correctly identified images.
Successful ID rate after cut is 90.3 %
Fraction of pixels correctly identified is 16.8 %
Fraction of pixels incorrectly identified is 1.8 %

Distribution of BDT-reconstructed Events, after cuts

