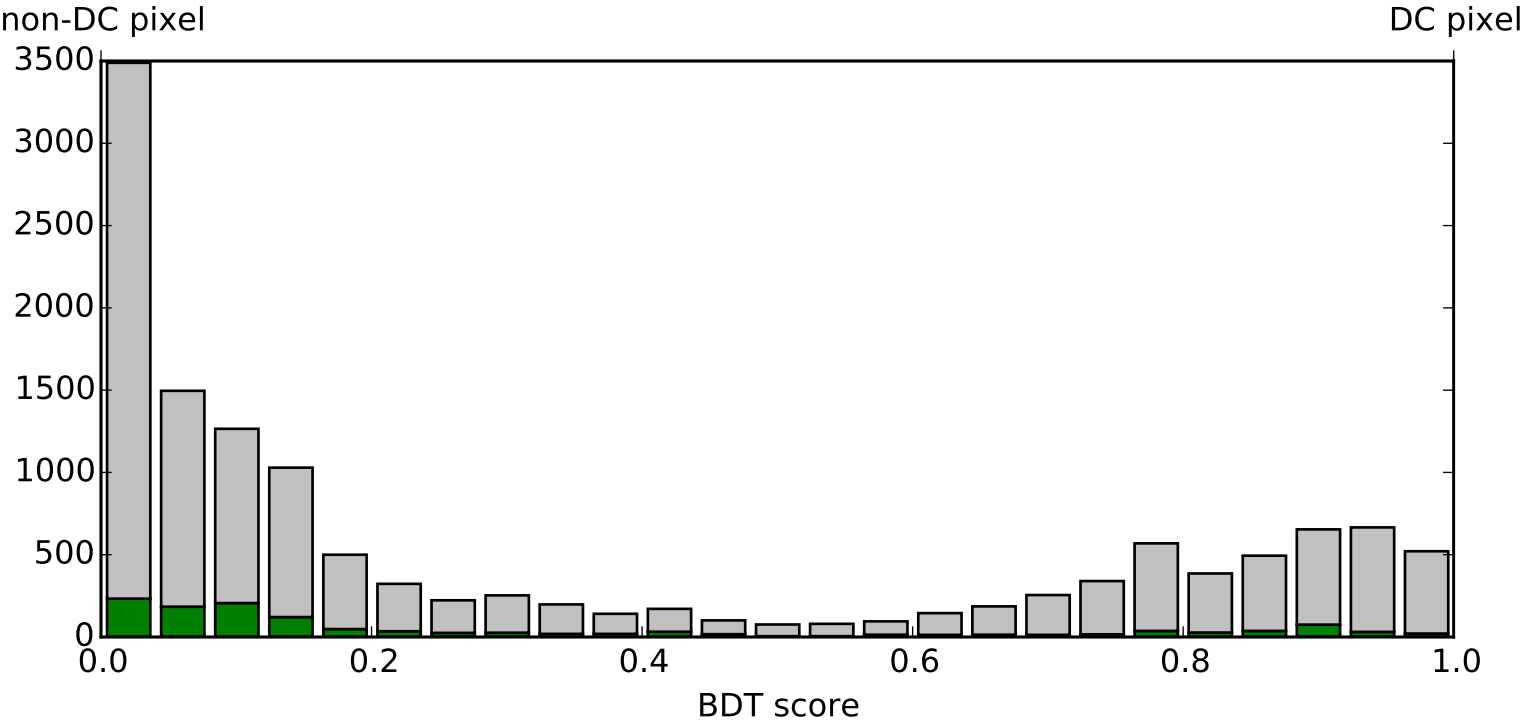
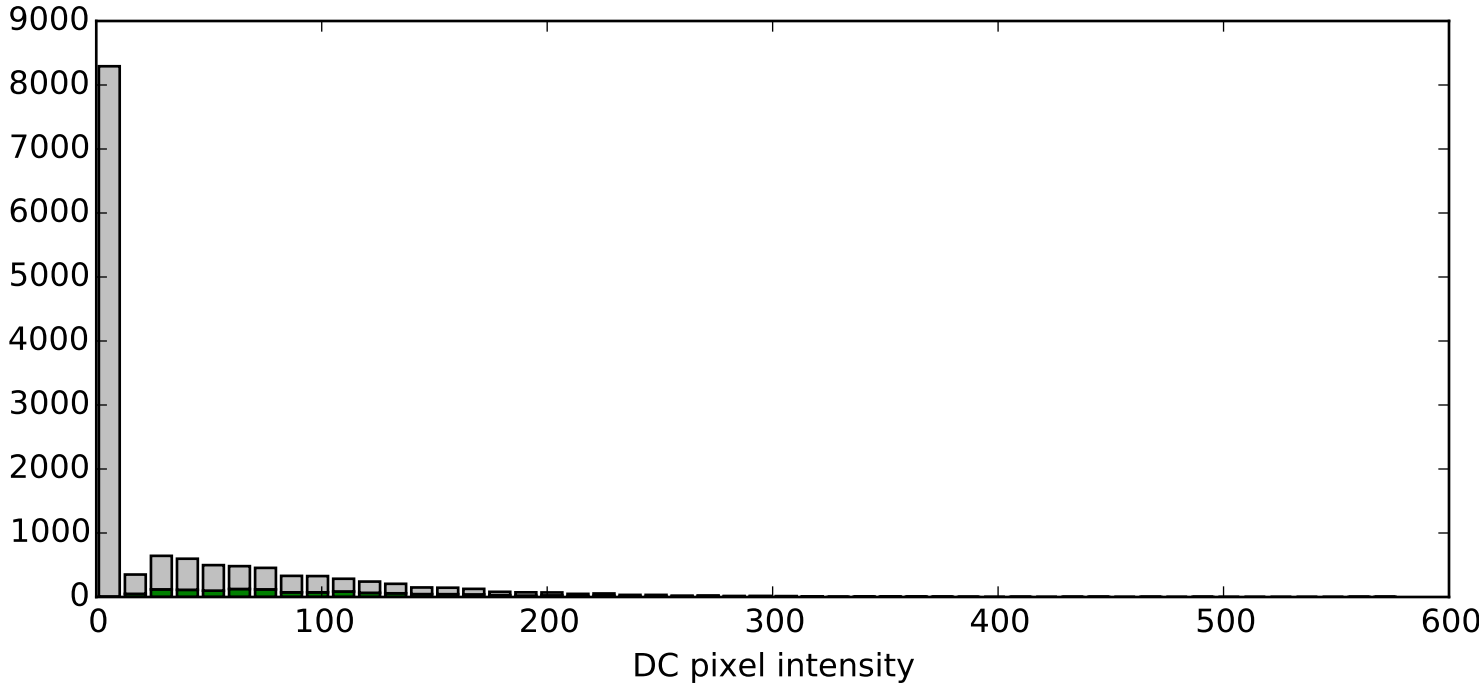


Correct  
Incorrect

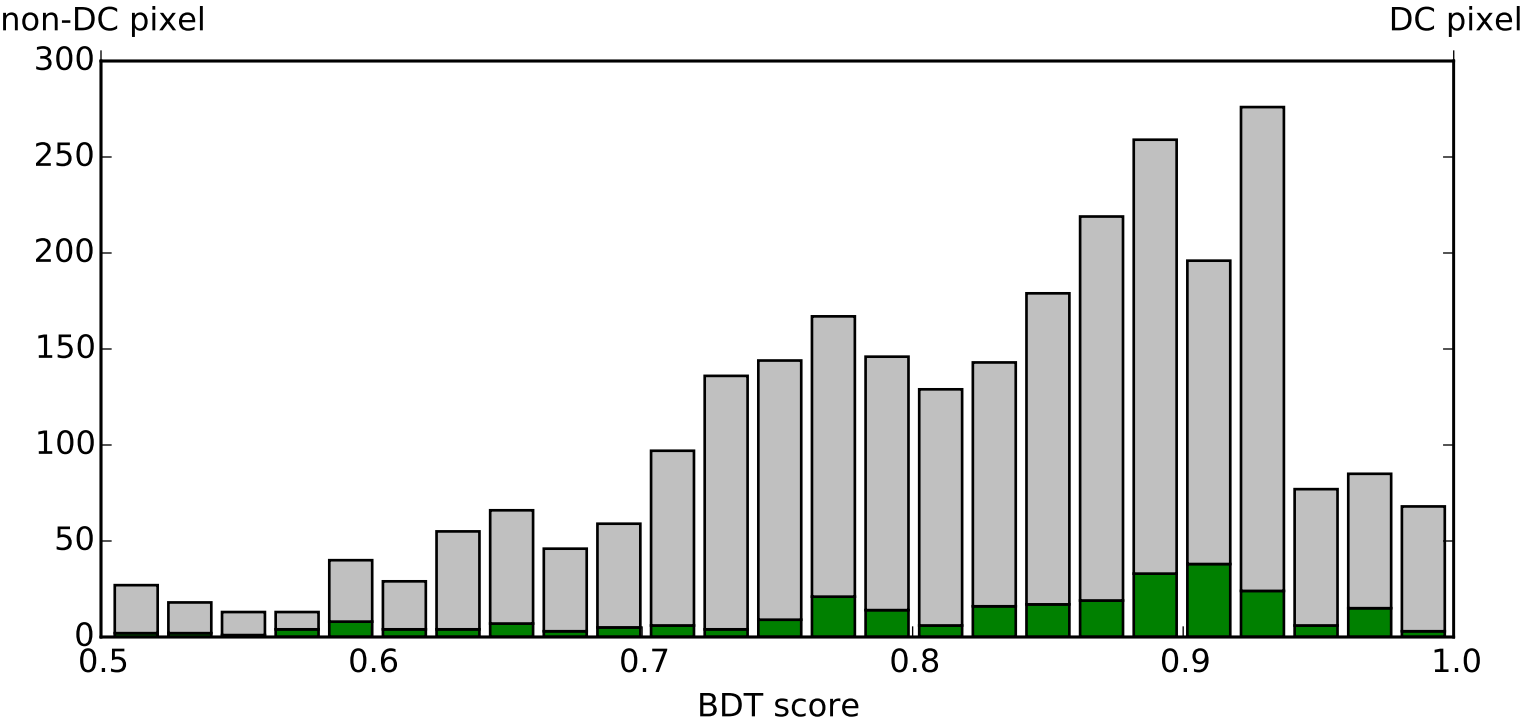
Distribution of BDT-reconstructed Events



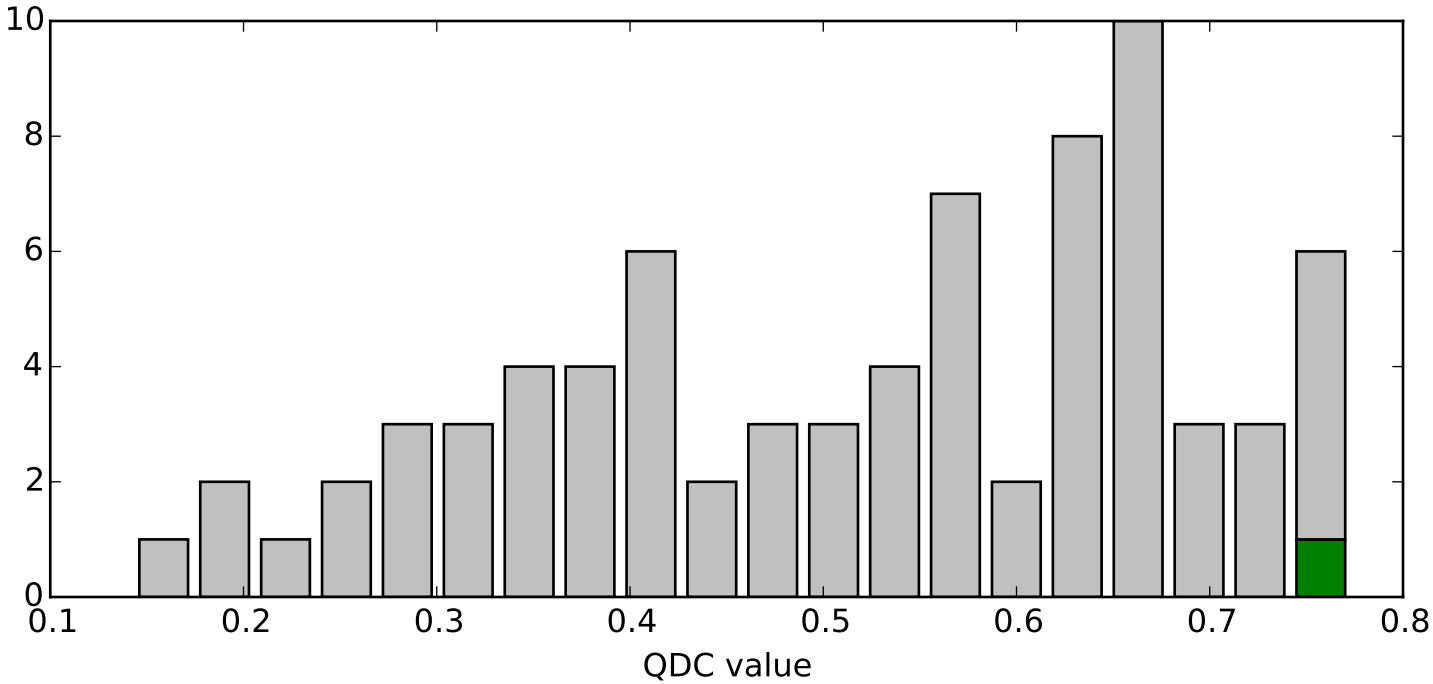
Signal in pure DC pixel without shower



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



Distribution of QDC-reconstructed Events



We have 4448 events. Of these, there are 17792 total images, including 6192 images triggered with DC light. In total, 34.8 % of all images have DC light to reconstruct.  
In total, 1 pixels are correctly identified using QDC method. Method Identified 0.0 % of all images.  
In total, 1273 pixels are correctly identified using BDT method. Method Identified 7.2 % of all images.

Our QDC cut requires  $QDC < 0.14 \log(I_{tot} / 161 \cos(\theta))$ , leaving 77 images.  
Of these, 1 are correctly identified images.  
Successful ID rate after cut is 1.3 %  
Fraction of pixels correctly identified is 0.0 %  
Fraction of pixels incorrectly identified is 0.4 %  
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 4435 images.  
Of these, 306 are correctly identified images.  
Successful ID rate after cut is 6.9 %  
Fraction of pixels correctly identified is 1.7 %  
Fraction of pixels incorrectly identified is 23.2 %  
Additionally requiring signal  $> 150$ , we have 2687 images.  
Of these, 271 are correctly identified images.  
Successful ID rate after cut is 10.1 %  
Fraction of pixels correctly identified is 1.5 %  
Fraction of pixels incorrectly identified is 13.6 %  
Additionally requiring multiplicity  $> 3$  we have 148 images.  
Of these, 10 are correctly identified images.  
Successful ID rate after cut is 6.8 %  
Fraction of pixels correctly identified is 0.1 %  
Fraction of pixels incorrectly identified is 0.8 %

Additionally requiring Aspect ratio  $> 0.4$  we have 0 images.  
Of these, 0 are correctly identified images.

Distribution of BDT-reconstructed Events, after cuts

