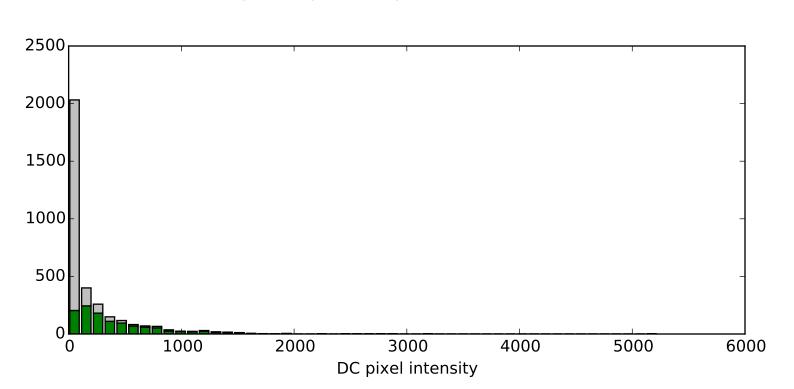
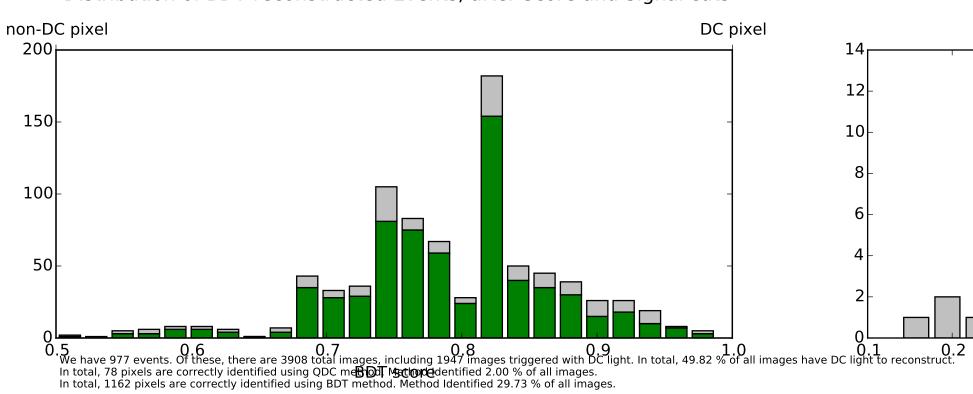


Distribution of BDT-reconstructed Events

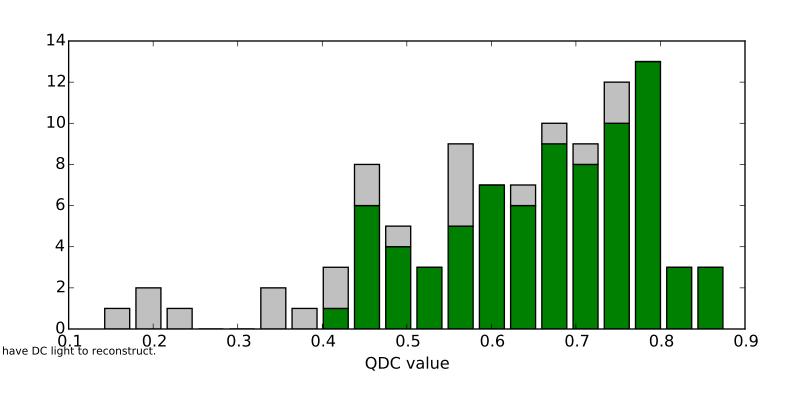
Signal in pure DC pixel without shower



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



Distribution of QDC-reconstructed Events



Our QDC cut requires QDC < 0.14 log(ltot / 161 cos(theta)), leaving 99 images. Of these, 78 are correctly identified images. Successful ID rate after cut is 78.79 % Fraction of pixels correctly identified is 2.00 % Fraction of pixels incorrectly identified is 0.54 % 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 1175 images. Of these, 780 are correctly identified images.
Successful ID rate after cut is 66.38 %
Fraction of pixels correctly identified is 19.96 %
Fraction of pixels incorrectly identified is 10.11 %
Additionally requiring signal > 150, we have 839 images.
Of these, 671 are correctly identified images.
Successful ID rate after cut is 79.98 %
Fraction of pixels correctly identified is 17.17 %
Fraction of pixels incorrectly identified is 4.30 %
Additionally requiring multiplicity > 3 we have 129 images.
Of these, 113 are correctly identified images.
Successful ID rate after cut is 87.60 %
Fraction of pixels correctly identified is 2.89 %
Fraction of pixels incorrectly identified is 0.41 %

Additionally requiring Aspect ratio $> 0.4\,$ we have 124 images . Of these, 109 are correctly identified images. Successful ID rate after cut is 87.90 % Fraction of pixels correctly identified is 2.79 % Fraction of pixels incorrectly identified is 0.38 %

Distribution of BDT-reconstructed Events, after cuts

