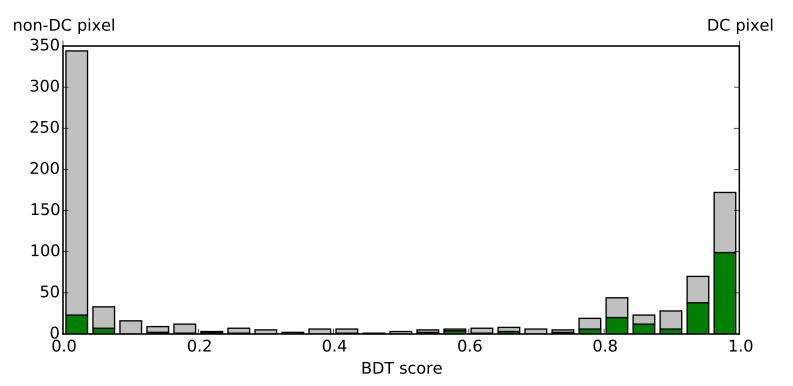
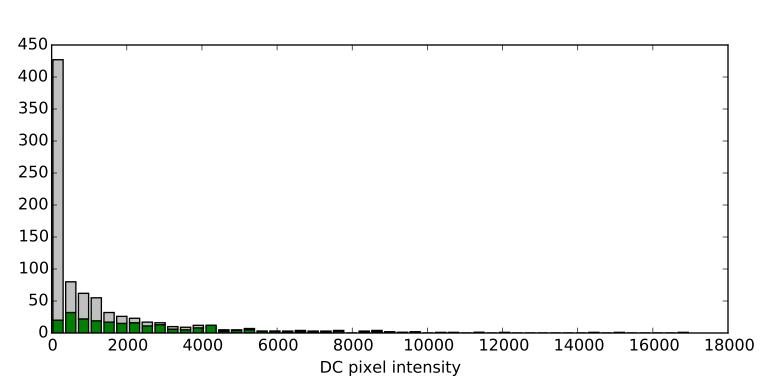


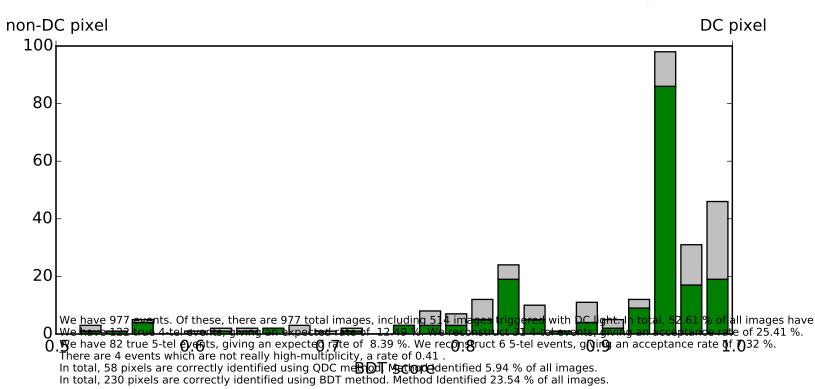
#### Distribution of BDT-reconstructed Events



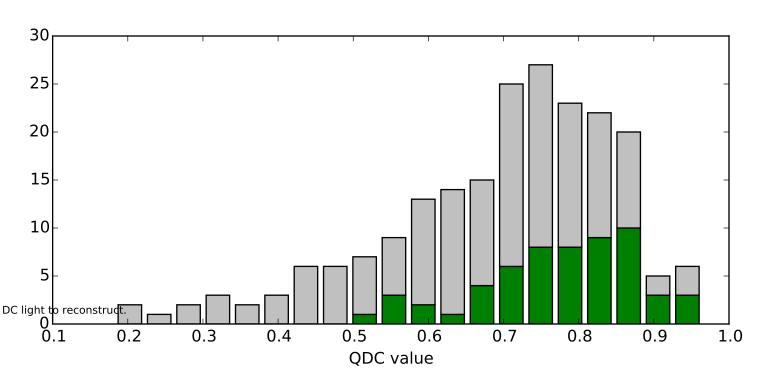
### Signal in pure DC pixel without shower



## 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 211 images. Of these, 58 are correctly identified images. Successful ID rate after cut is 27.49 %

Fraction of pixels correctly identified is 5.94 % Fraction of pixels incorrectly identified is 15.66 % 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 395 images. Of these, 193 are correctly identified images. Successful ID rate after cut is 48.86 % Fraction of pixels correctly identified is 19.75 % Fraction of pixels incorrectly identified is 20.68 % Additionally requiring signal > 150, we have 290 images. Of these, 187 are correctly identified images. Successful ID rate after cut is 64.48 % Fraction of pixels correctly identified is 19.14 % Fraction of pixels incorrectly identified is 10.54 % Additionally requiring multiplicity > 3 we have 31 images . Of these, 29 are correctly identified images. Successful ID rate after cut is 93.55 % Fraction of pixels correctly identified is 2.97 % Fraction of pixels incorrectly identified is 0.20 %

Additionally requiring Aspect ratio > 0.4 we have 30 images . Of these, 29 are correctly identified images. Successful ID rate after cut is 96.67 % Fraction of pixels correctly identified is 2.97 % Fraction of pixels incorrectly identified is 0.10 %

Distribution of BDT-reconstructed Events, after cuts

