

# CNNs FOR ELECTRON IDENTIFICATION

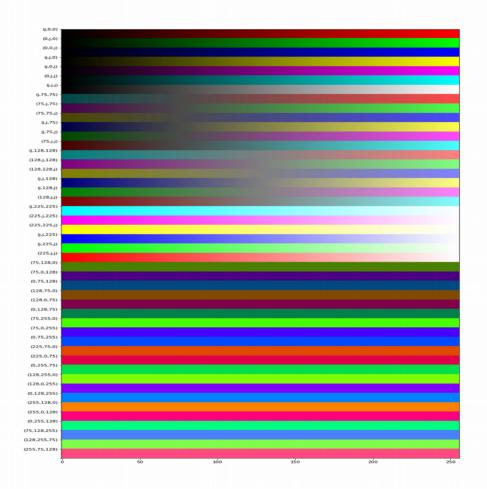
## **AIM AND CONTENT**

• <u>Aim:</u> To find good combination of background pixel intensities for visualization of Calorimeter deposit images.

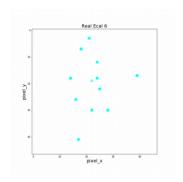
#### Content:

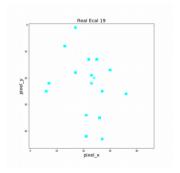
- RBG Color Code Plot
- Real & Fake Electron Ecal Images with different uniform background pixel intensities.
- Real & Fake Electron Hcal Images with different uniform background pixel intensities.

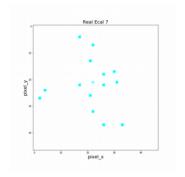
## RGB COLOR CODE

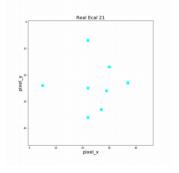


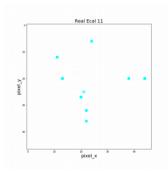
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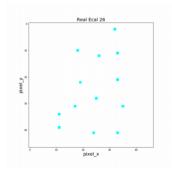




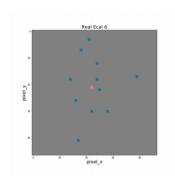


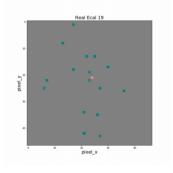


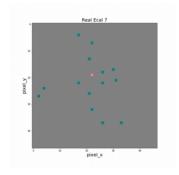


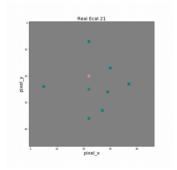


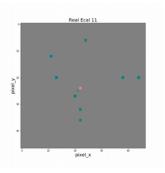
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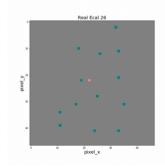




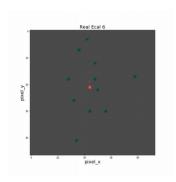


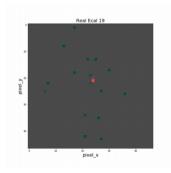


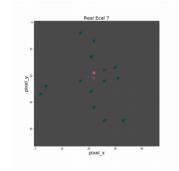


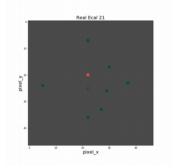


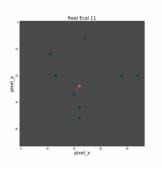
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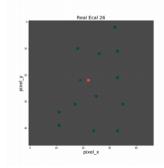




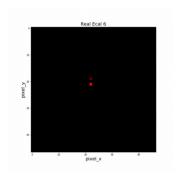


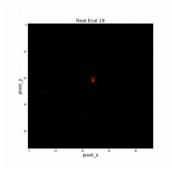


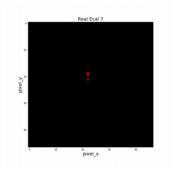


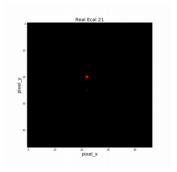


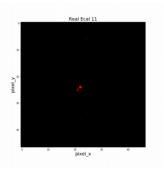
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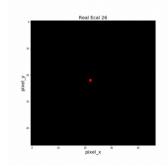




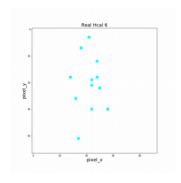


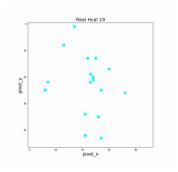


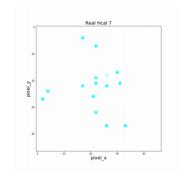


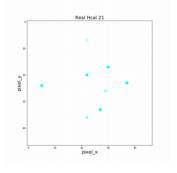


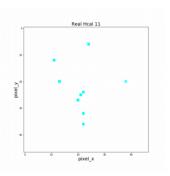
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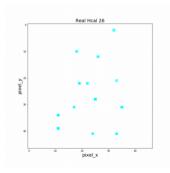




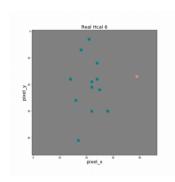


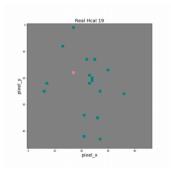


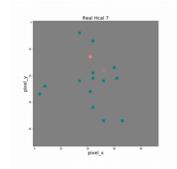


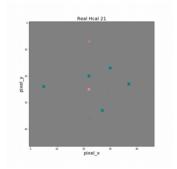


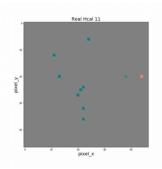
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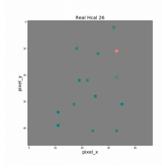




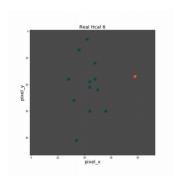


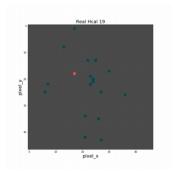


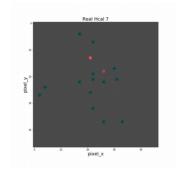


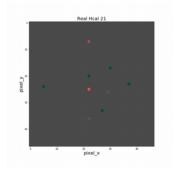


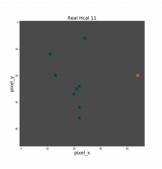
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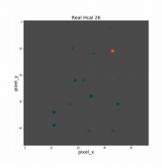




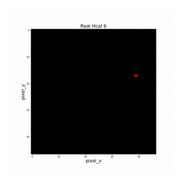


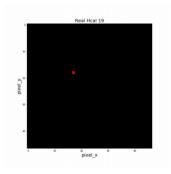


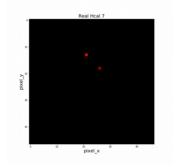


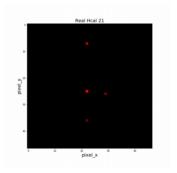


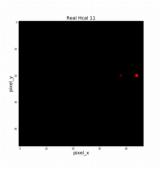
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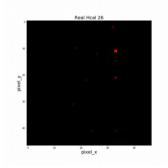




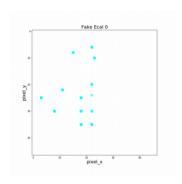


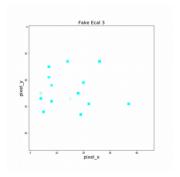


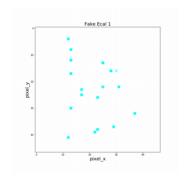


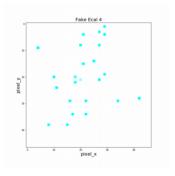


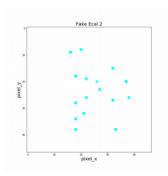
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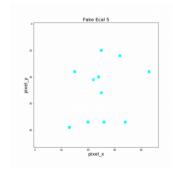




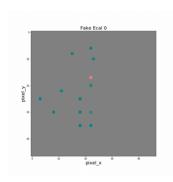


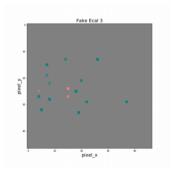


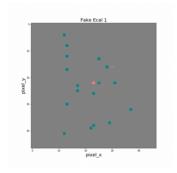


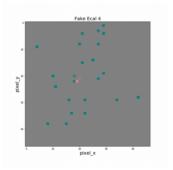


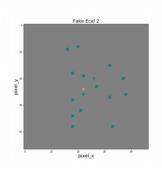
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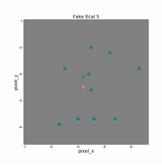




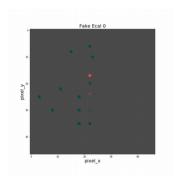


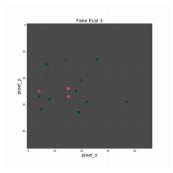


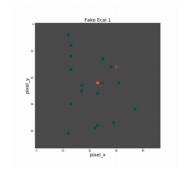


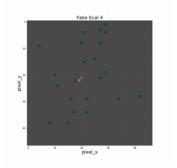


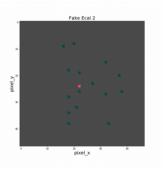
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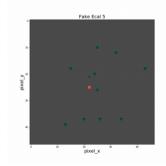




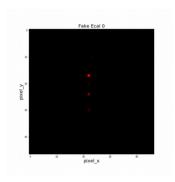


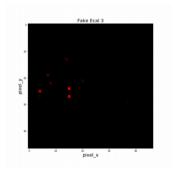


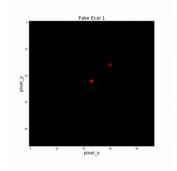


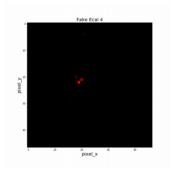


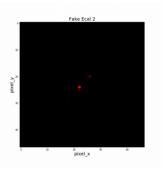
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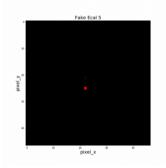




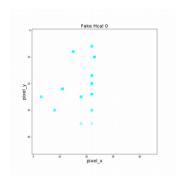


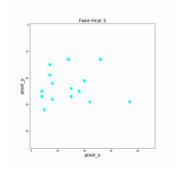


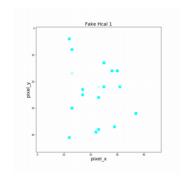


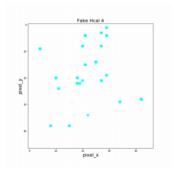


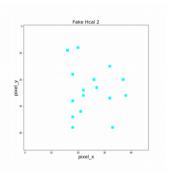
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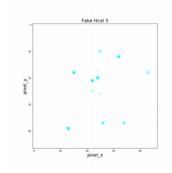




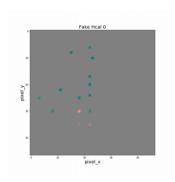


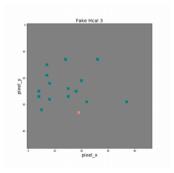


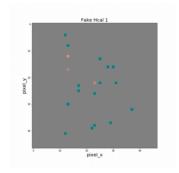


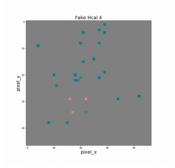


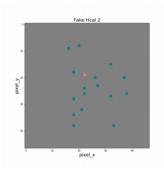
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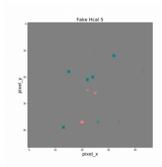




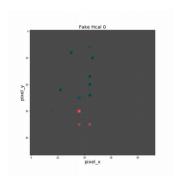


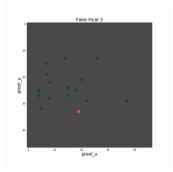


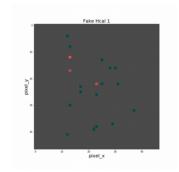


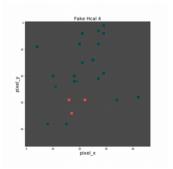


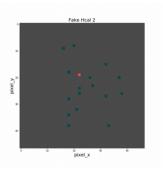
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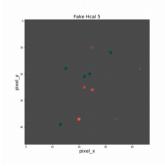




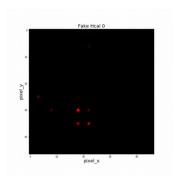


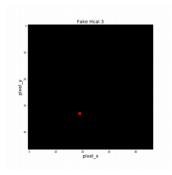


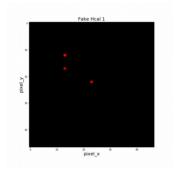


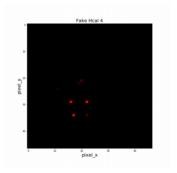


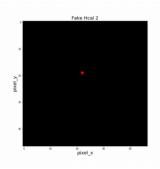
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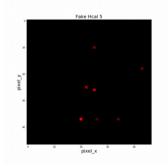






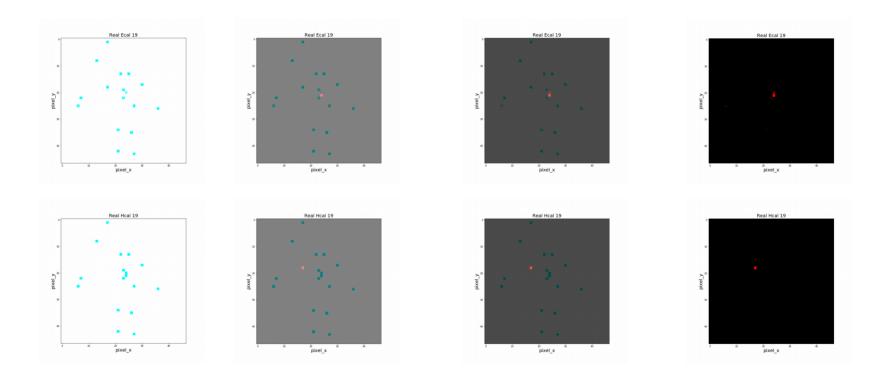






#### REAL ELECTRON ECAL & HCAL IMAGES

#### Max Normalization Used



#### FAKE ELECTRON ECAL & HCAL IMAGES

#### Max Normalization Used

