

CNNs FOR ELECTRON IDENTIFICATION

April 22, 2020

Viraj Bagal Angira Rastogi, Sourabh Dube, Arun Thallapil

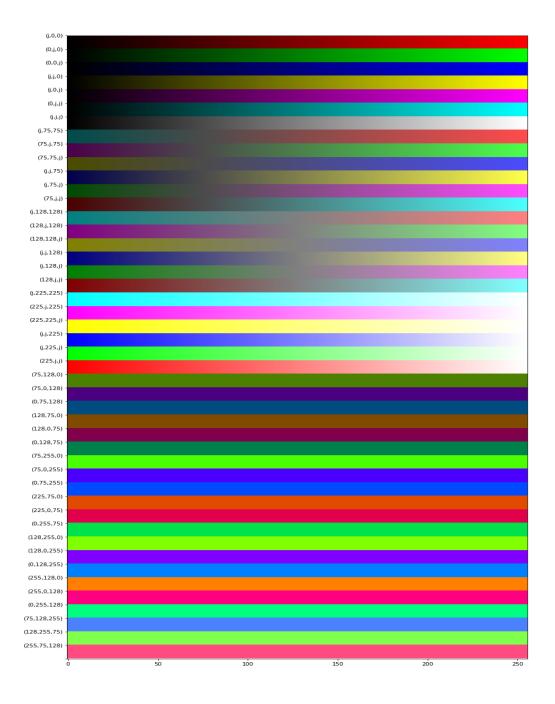
AIM AND CONTENT

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

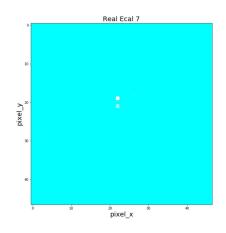
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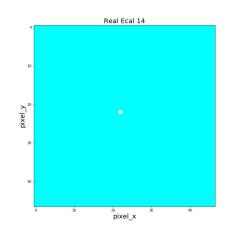
- RBG Color Code Plot
- Real & Fake Electron Ecal Images with different uniform background pixel intensities.
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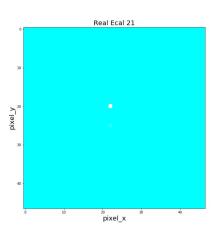
RGB COLOR CODE

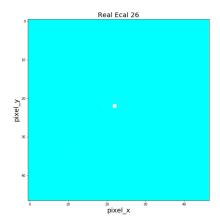


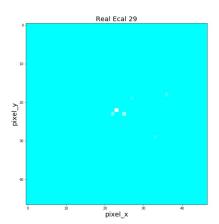
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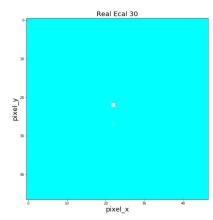




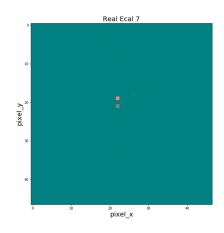


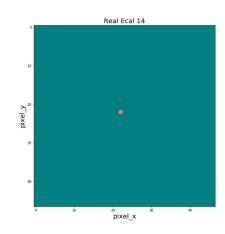


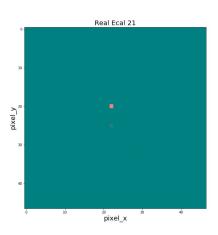


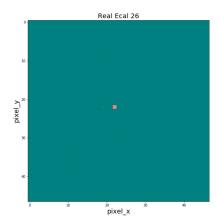


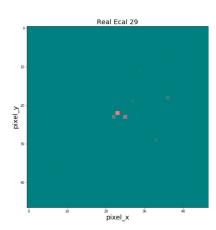
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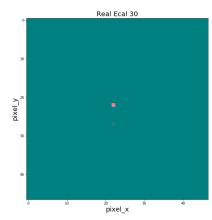




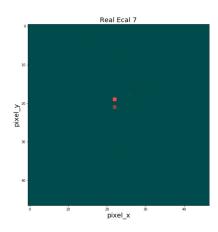


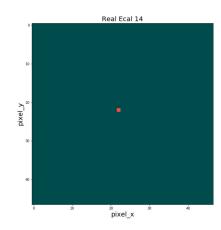


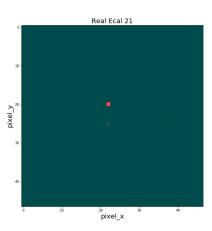


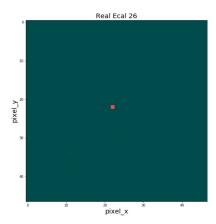


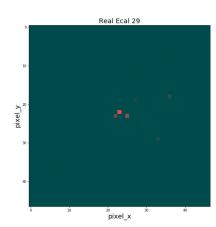
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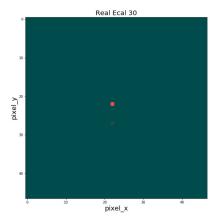




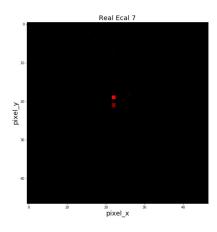


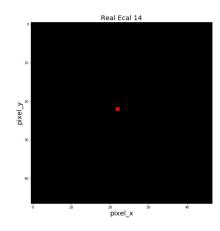


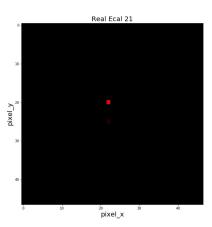


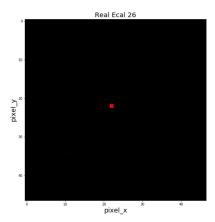


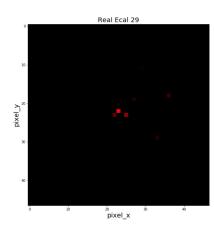
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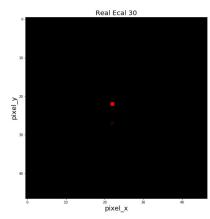




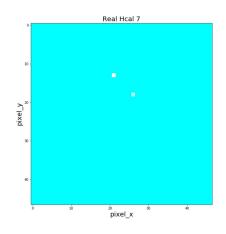


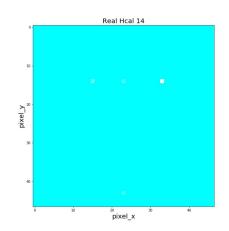


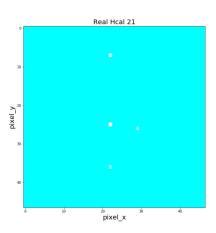


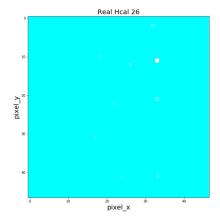


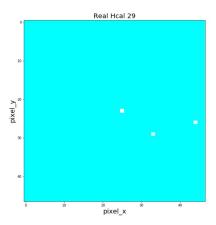
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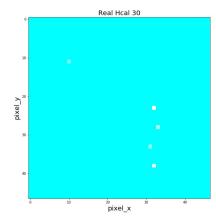




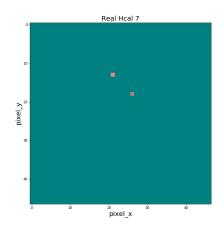


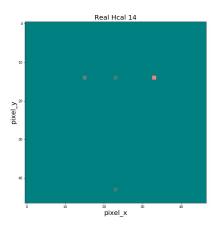


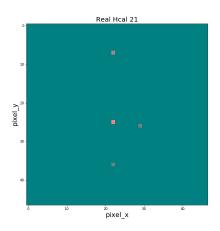


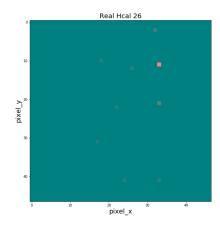


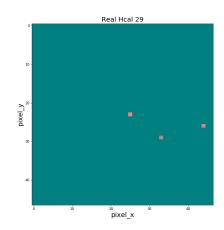
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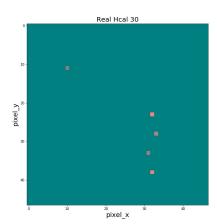




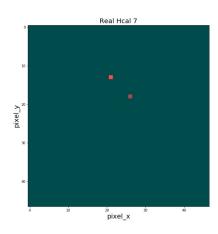


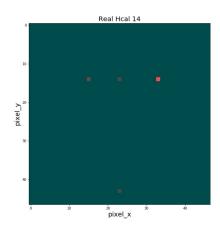


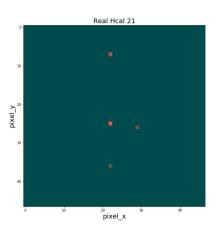


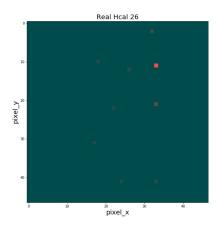


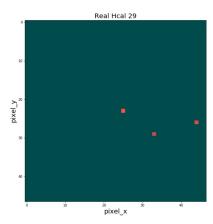
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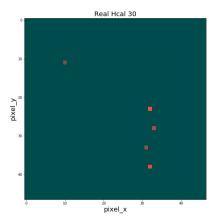




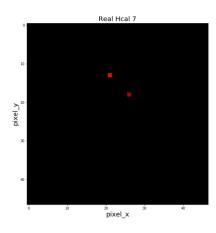


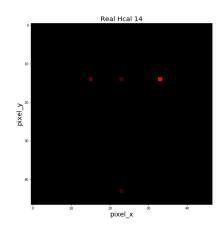


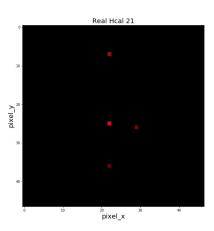


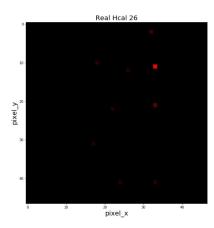


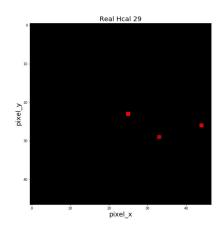
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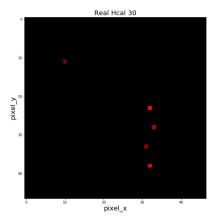




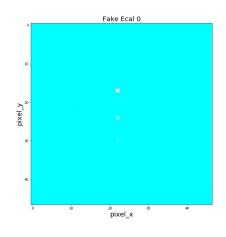


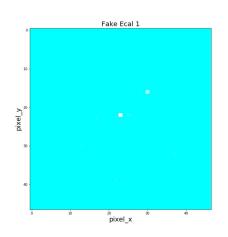


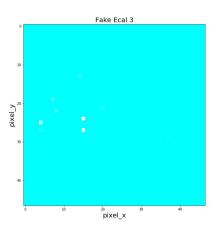


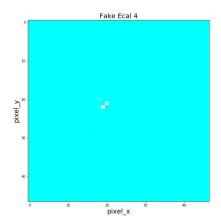


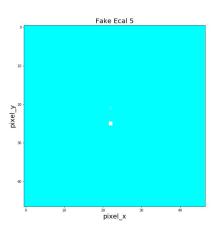
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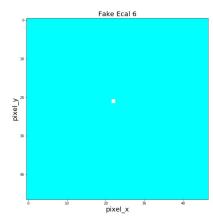




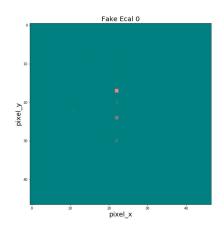


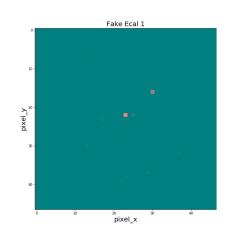


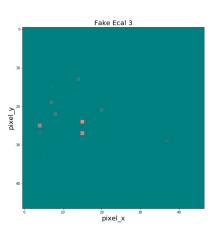


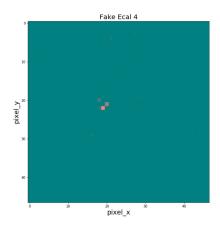


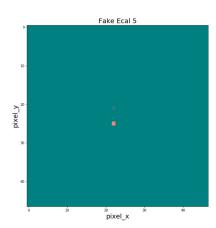
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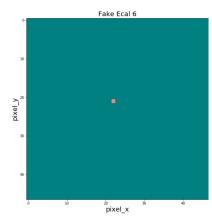




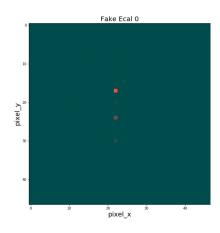


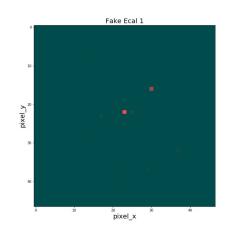


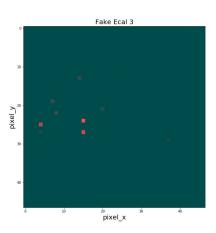


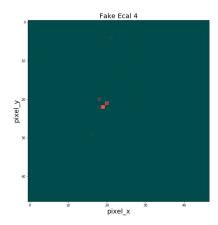


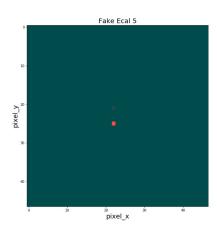
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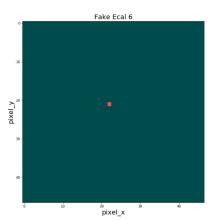




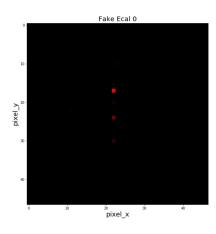


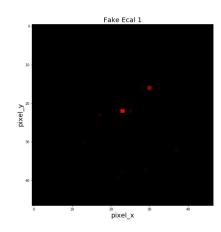


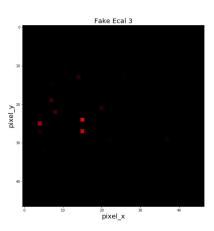


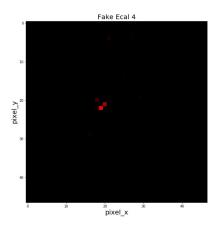


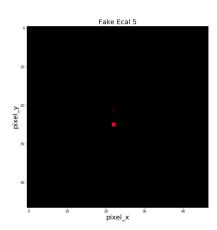
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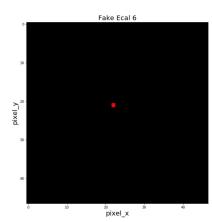




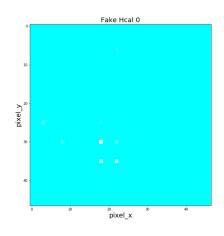


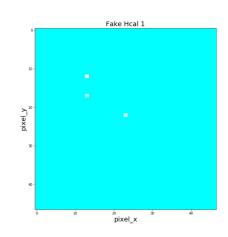


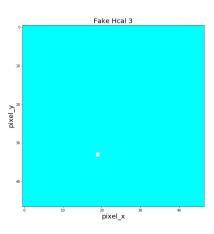


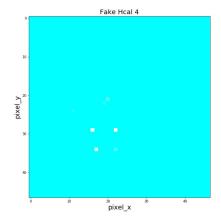


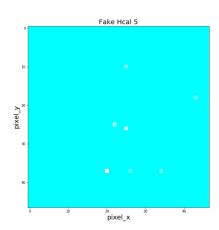
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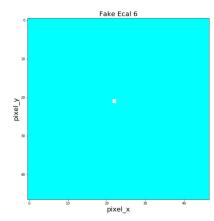




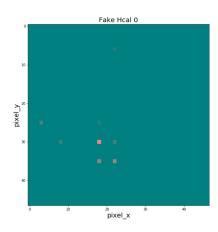


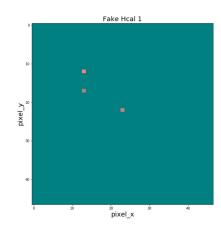


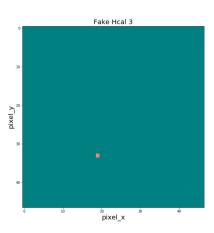


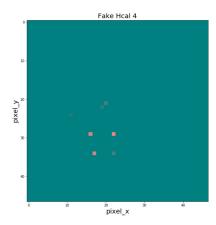


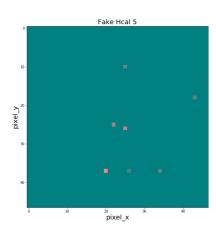
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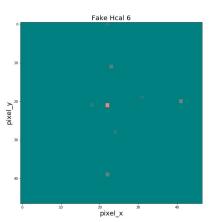




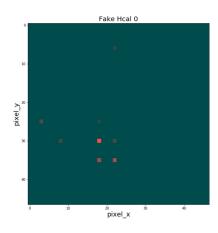


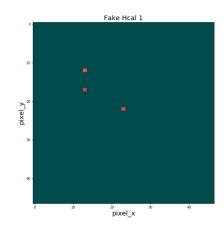


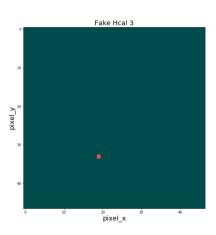


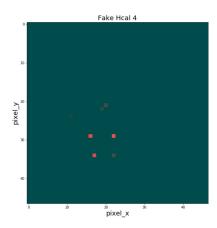


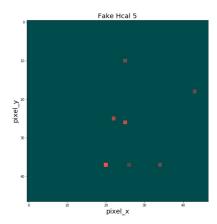
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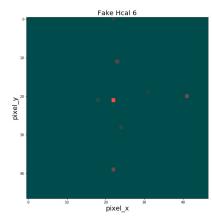




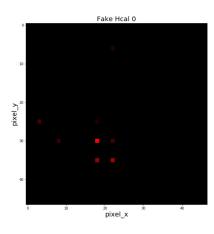


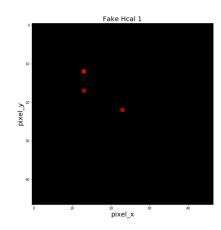


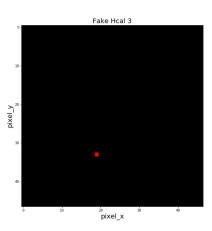


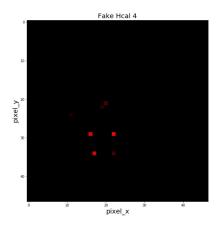


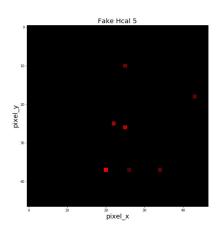
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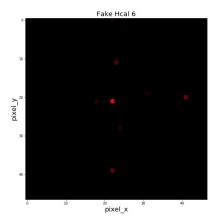






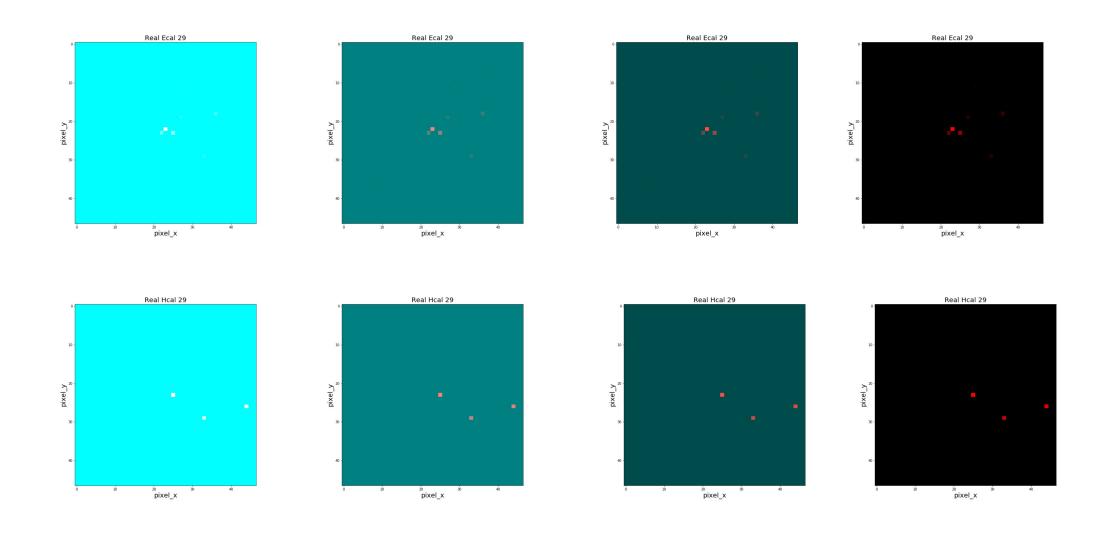






REAL ELECTRON ECAL & HCAL IMAGES

Max Normalization Used



FAKE ELECTRON ECAL & HCAL IMAGES

Max Normalization Used

