A complex 3D visualization of particle flow. It features a central point from which numerous colored lines radiate outwards. On the left, there is a cluster of blue and purple dots with lines extending from them. On the right, a detailed illustration of a dragon is positioned, with lines connecting it to the central point. Below the dragon, there is another cluster of dots, some of which are connected to lines. The overall scene is set against a white background with a subtle grid of dots.

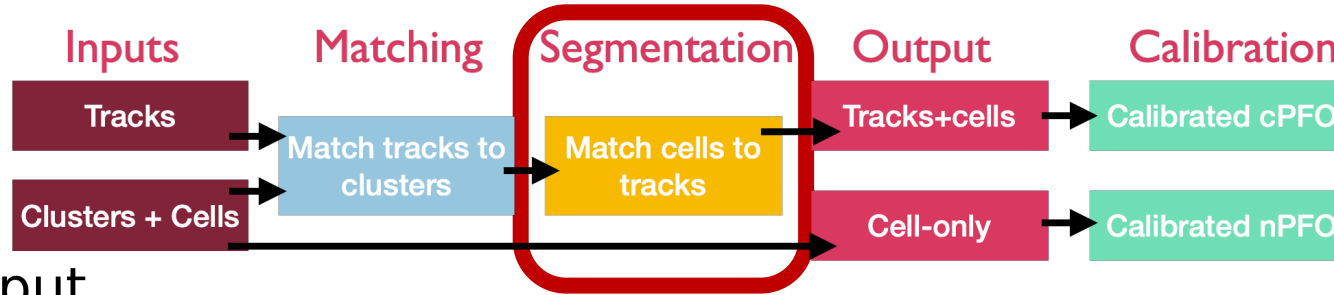
# 3D Particle Flow in the ATLAS Calorimeter: *How to Train Your Model*

Joshua Himmens with Dr. Maximilian Swiatlowski

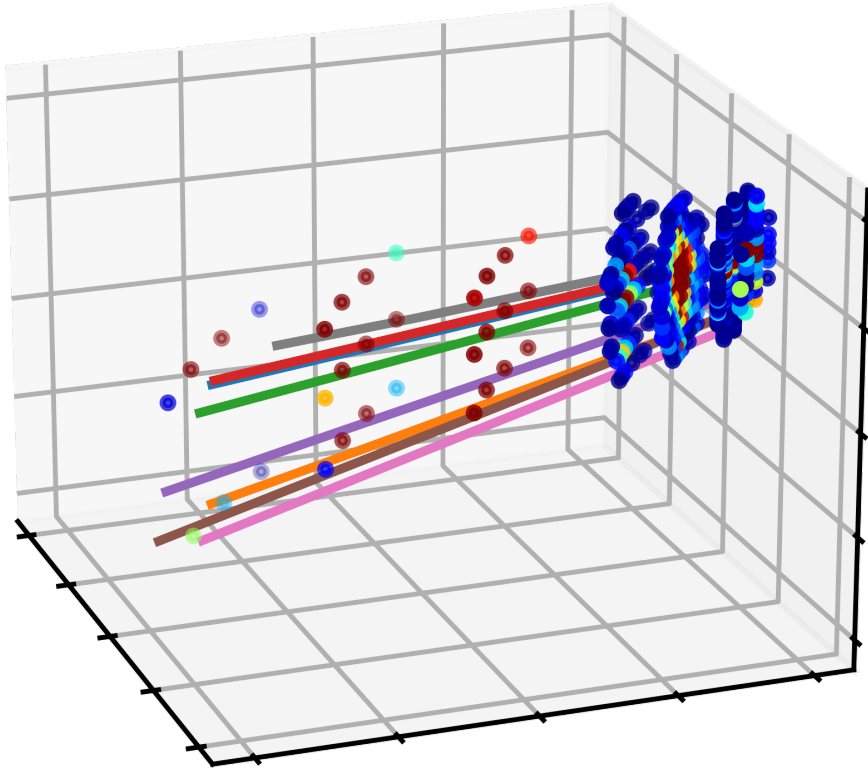




# 3D Particle Flow in the ATLAS Calorimeter: How to Train Your Model

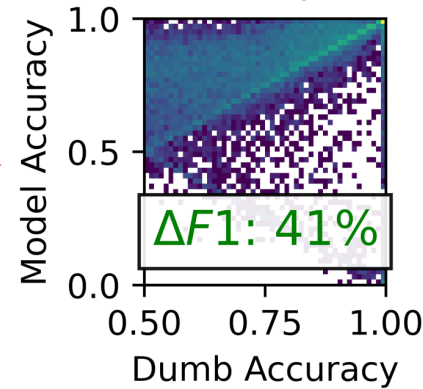


Model Input



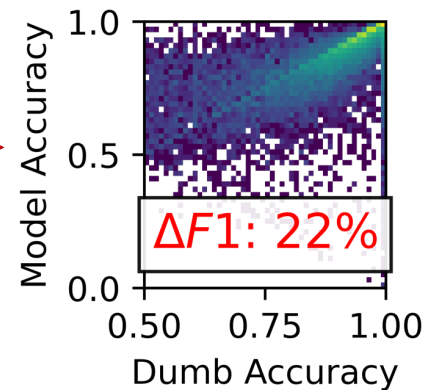
Simplified Data

Trained on Simplified Data



Realistic Data

Trained on Realistic Data



Why not combine the models?

The Cutting-Edge:  
"Replay Based Transfer Learning"

