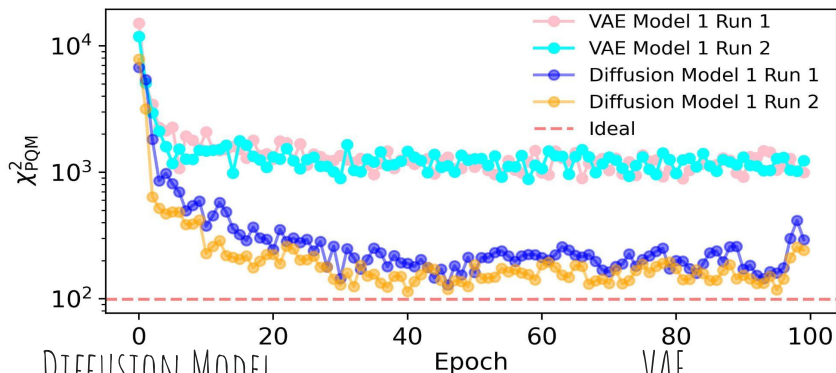


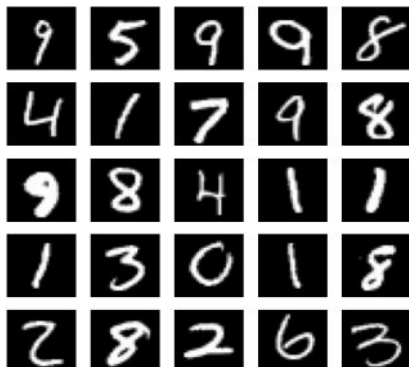
# APPLYING PQMASS TO LEARNING THE UNIVERSE COSMOLOGICAL SIMULATIONS

## PQMass: Probabilistic Assessment of the Quality of Generative Models using Probability Mass Estimation

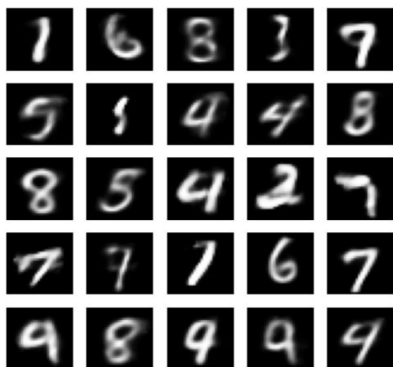
Pablo Lemos<sup>1,2,3,4,5</sup> Sammy Sharief<sup>1,2,3</sup> Nikolay Malkin<sup>1,3</sup> Laurence Perreault-Levasseur<sup>\*1,2,3,4,6,7</sup>  
Yashar Hezaveh<sup>\*1,2,3,4,6,7</sup>



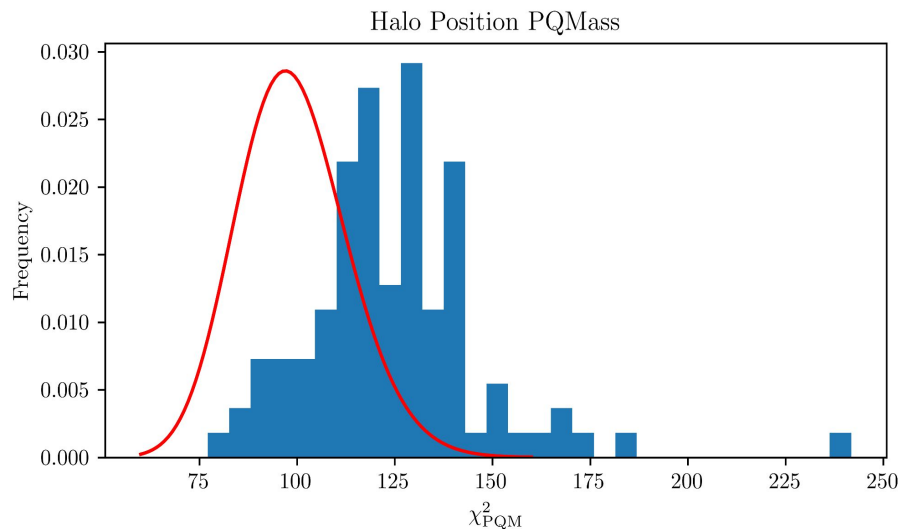
DIFFUSION MODEL



VAE



## LTU VOXEL WISE PQMASS FOR HALO DISTRIBUTION



BY: SAMMY SHARIEF  
ADVISOR: LAURENCE PERREAUULT-LEVASSEUR

