

DANCE Machine Learning Workshop 2020

Wednesday, August 5, 2020

Reconstruction and whitepaper -

<https://lbnl.zoom.us/j/94735075450?pwd=a2U1RGZMODJnZ2xWWnFoc25nbDhuUT09> (8:15 AM - 9:15 AM)

| time | [id] title | presenter |
|---------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| 8:15 AM | [19] Holistic Machine Learning Approach to Particle-Flow Reconstruction in Imaging Neutrino Detectors | DRIELSMA, Francois DRIELSMA, Francois |
| 8:45 AM | [20] Machine Learning at the Edge: Intelligent Data Triage in Real Time | Prof. CORBEIL THERRIEN, Audrey COFFEE, Ryan |

Reconstruction and whitepaper -

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| time | [id] title | presenter |
|----------|-----------------------------------------------------------------------|-----------------|
| 9:25 AM | [49] Signal corrections of XENON1T Dark Matter detector | ZHU, Tianyu |
| 9:35 AM | [50] Graph Neural Network for Position Reconstruction | LIANG, Shixiao |
| 9:45 AM | [51] Convolutional neural network for S2 position reconstruction | TERLIUK, Andrii |
| 9:55 AM | [22] Machine Learning at SuperCDMS | YU, To Chin |
| 10:15 AM | [23] Energy Reconstruction with Variational Autoencoders in SuperCDMS | LI, Ashley |

Reconstruction and whitepaper: Roundtable discussion (11:00 AM - 11:30 AM)

| time | [id] title | presenter |
|----------|----------------------------------------------------------|-----------|
| 11:00 AM | [41] Room 1: Snowmass planning (cross-collaboration LOI) | |
| 11:00 AM | [42] Room 2: Position and energy reconstruction | |