

Conceptual Advances in Deep Learning for Research on Universe and Matter

intense information flow in the fantastic group

- Your talks: ErUM wide, we face most similar challenges
- Together we have discussed & probed cutting edge methods
 - **Reinforcement Learning:** dynamically changing environment
 - **Transformers:** go beyond CNN, RNN
 - **Symbolic regression:** Understanding DNN, solution to extrapolation challenge?
 - **Normalizing Flows, GANs, Information Field Theory:**
Inference of wanted / Recovery of missing information
 - **Autoencoders:** pca to latent space, anomaly searches
 - **ONNX:** open neural network exchange for device independence



Farewell

Thank you for participating

- We appreciate your feedback:
<https://indico.scc.kit.edu/event/2853/surveys/59>
- Check out our Website for more Events:
erumdatahub.de
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- Tell everyone: The ErUM-Data-Hub ist hiring
- Feel free to leave a tip for Hotel zur Post in the red box in the back of the room



Farewell

Get home safe



Thank you for participating!
Have a safe journey home!

