Contribution ID: 9

Type: Poster

## **Decorrelation using Optimal Transport**

Wednesday 31 January 2024 16:20 (5 minutes)

Novel decorrelation method using Convex Neural Optimal Transport Solvers (Cnots) that is able to decorrelate a continuous feature space against protected attributes with optimal transport. We demonstrate how well it performs in the context of jet classification in high energy physics, where classifier scores are desired to be decorrelated from the mass of a jet.

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Session Classification: Poster Session

**Track Classification:** 2 ML for analysis : event classification, statistical analysis and inference, including anomaly detection