

Fellows lightning talk

Viacheslav Kucherenko

27.07.22

About me

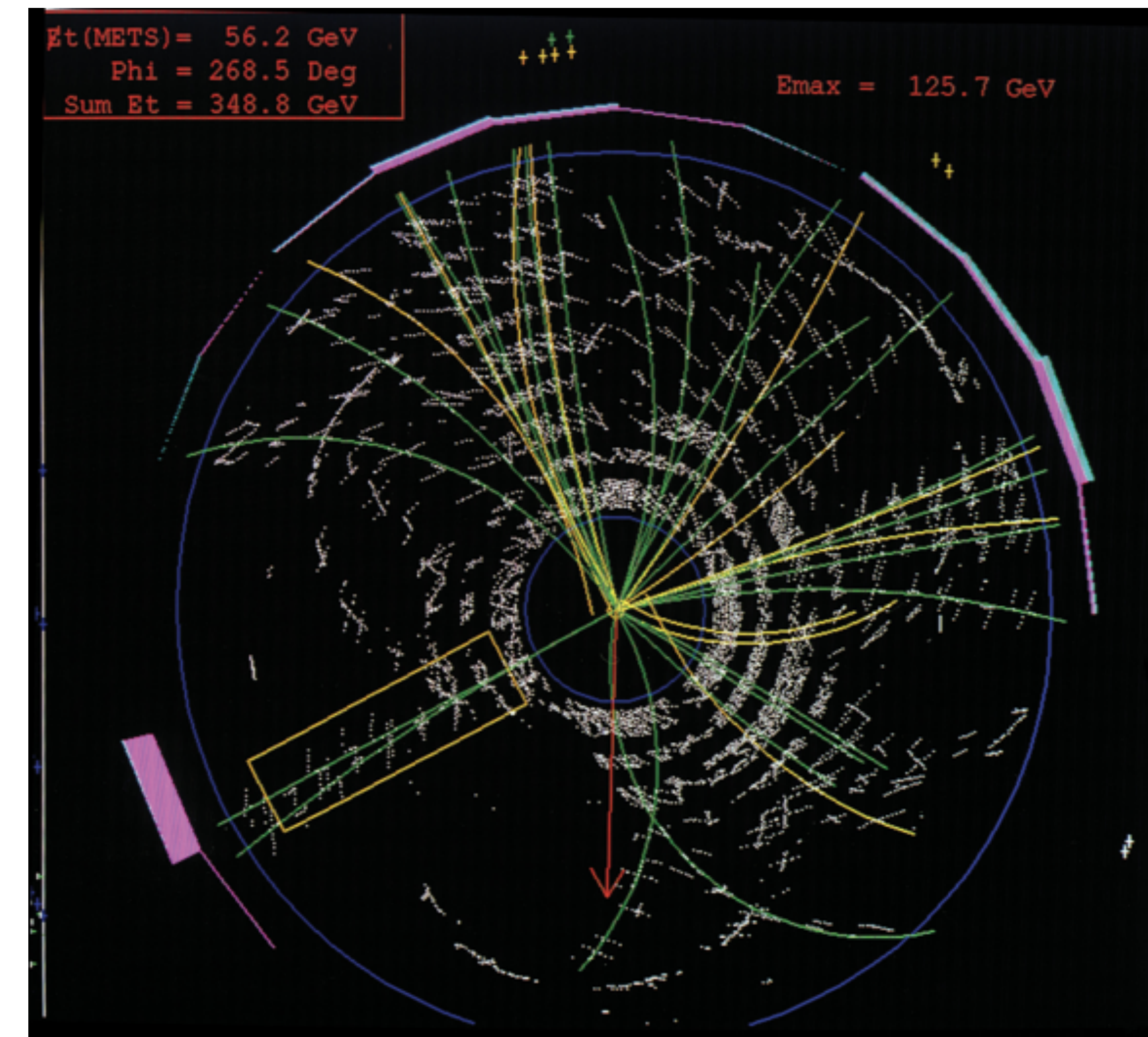
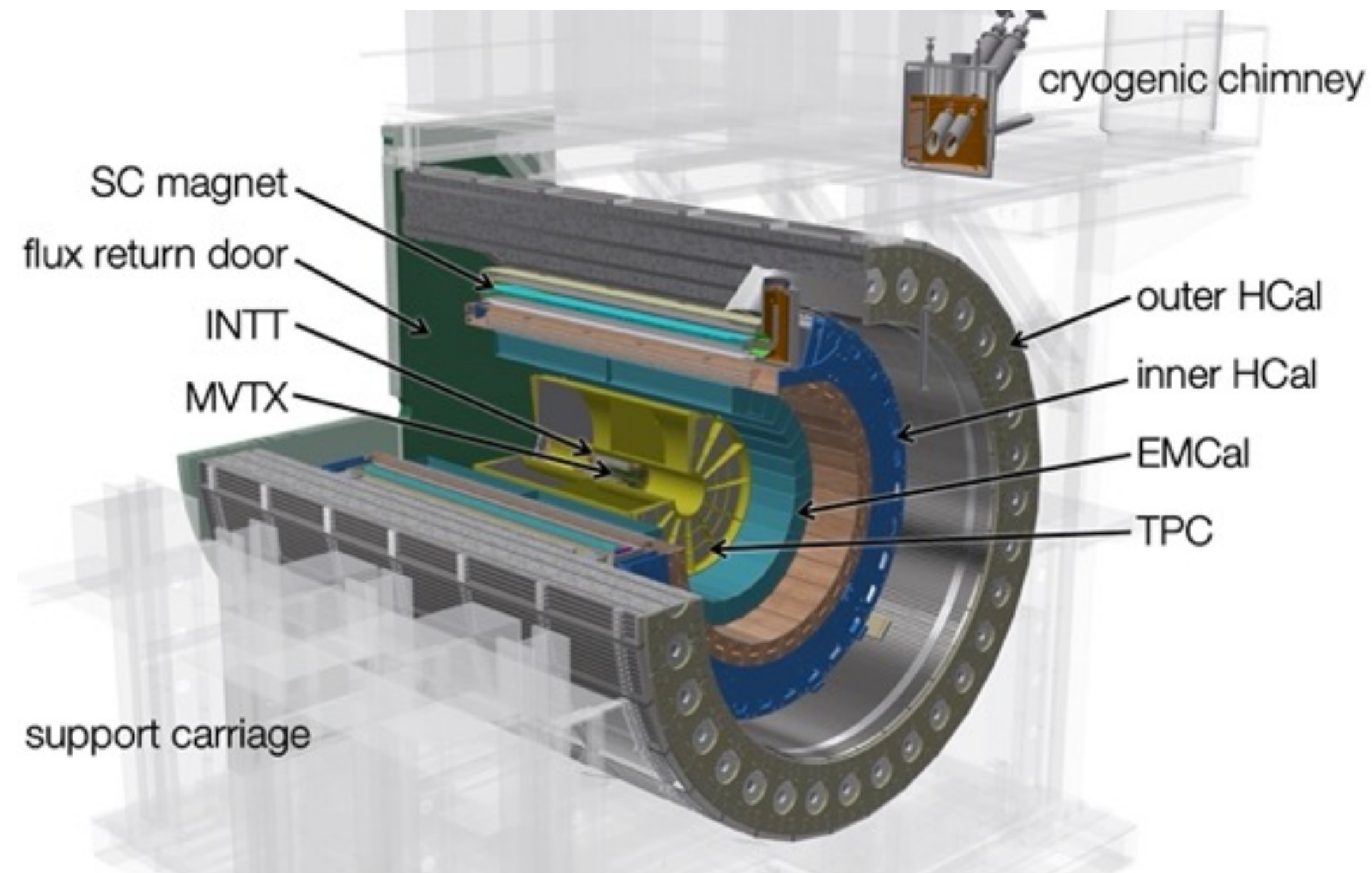
Kyiv Academic University, 2nd year of masters

- Department - theoretical physics & astronomy
- Bachelors program: Kyiv Polytechnic University, IPT, applied physics
- Bachelors diploma: high-energy density physics, nuclear physics
- Scientific experience: ~2 years of research assistance
- ML experience: ~2,5 years of commercial projects manufacturing
- Projects done: CV, NLP, Classical Data Science, Big Data, Signal Processing, Fraud Detection.

About project

ML based tracking system

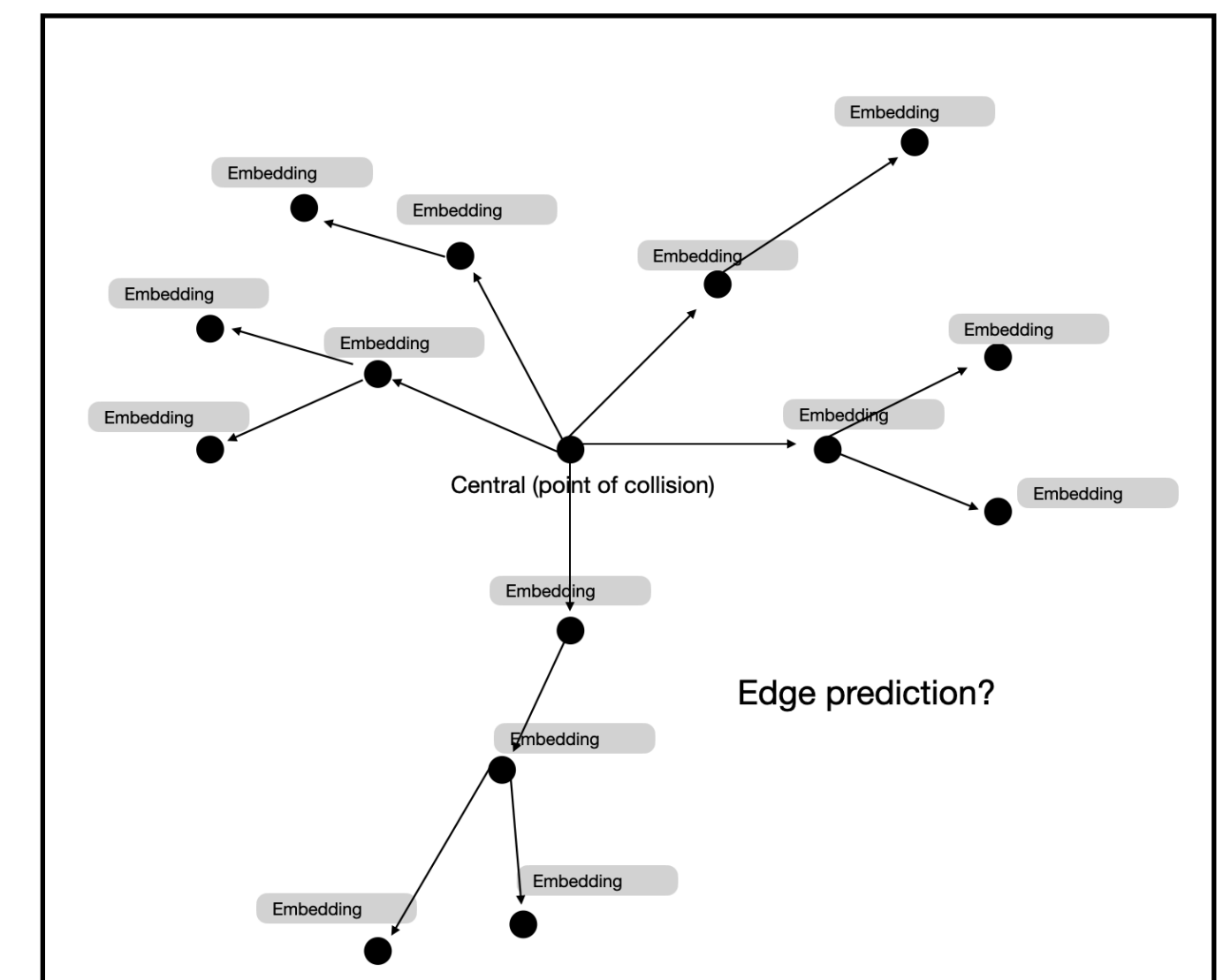
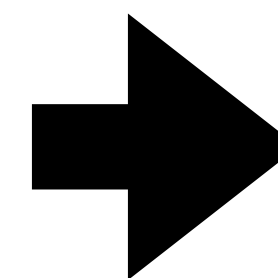
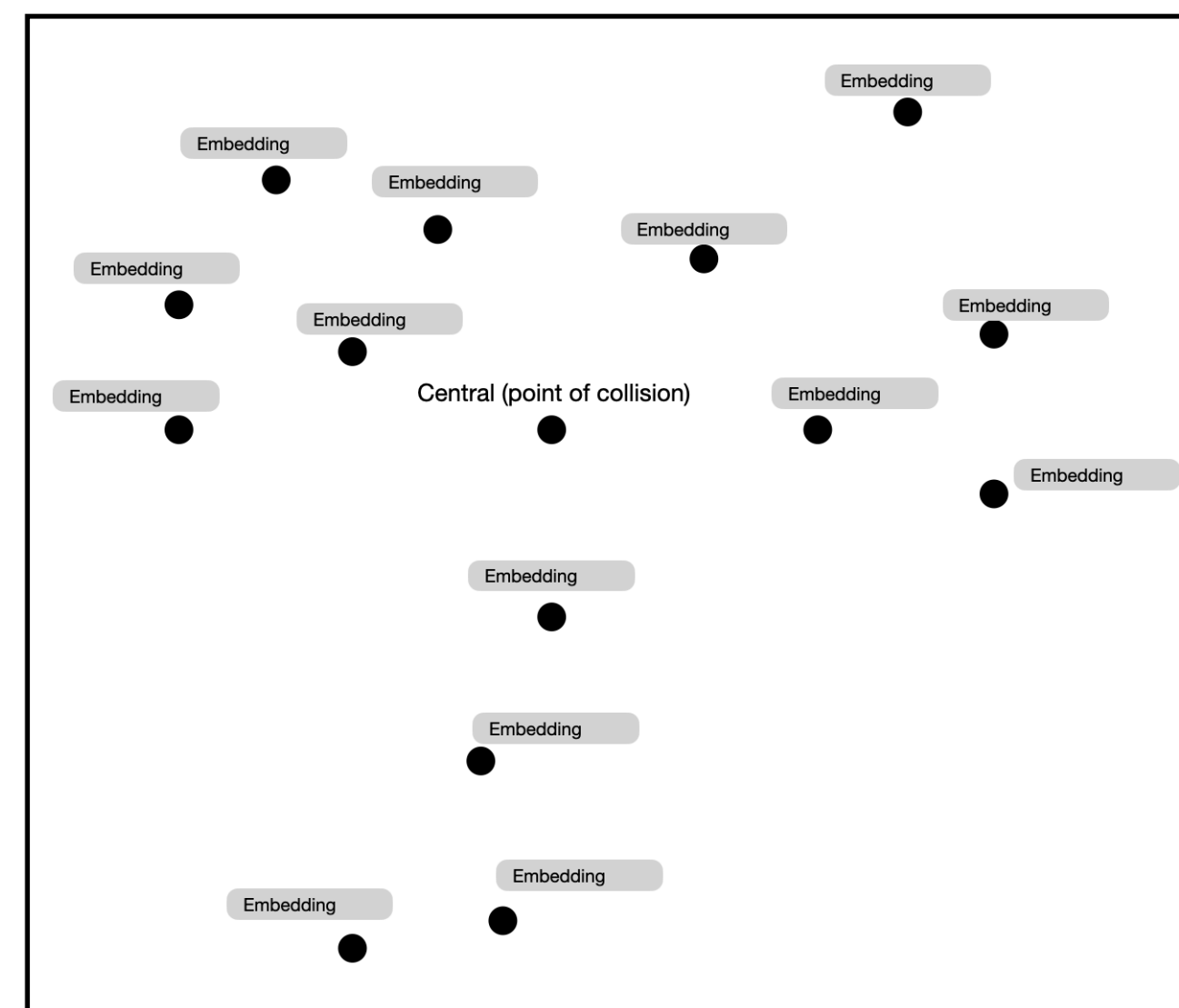
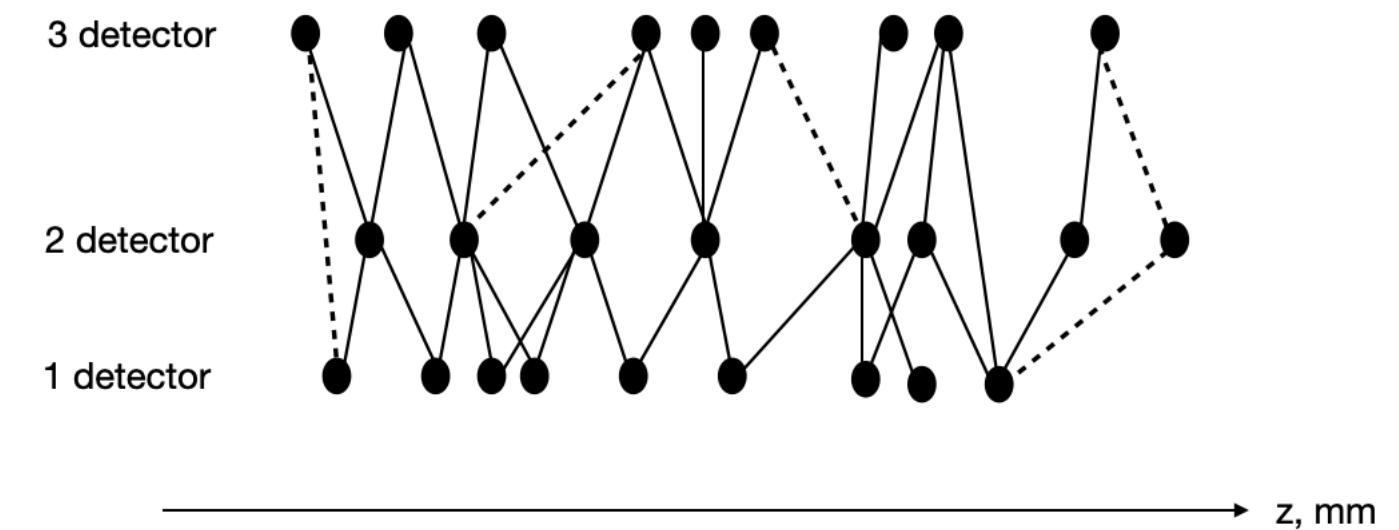
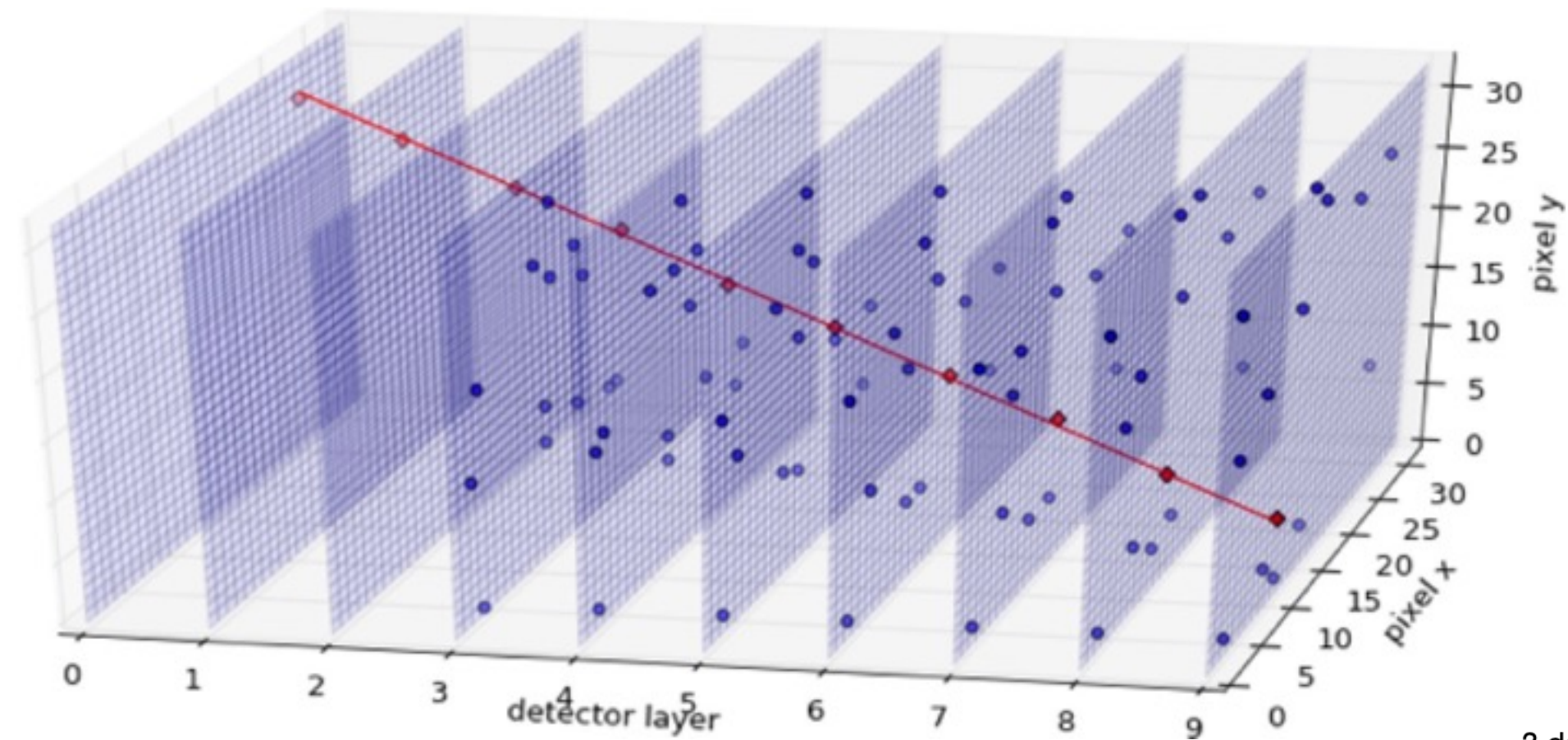
- Mentors: Dantong Yu (NJIT), Oksana Shadura (CERN)
- sPhenix project



Goals & Tasks

methods overview

- Filter data
- Cluster data
- Possible tracks
- Track with GNN



Thanks for attention!