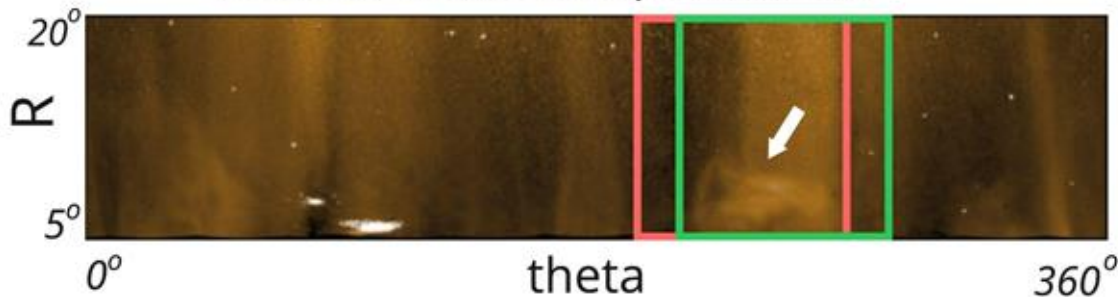


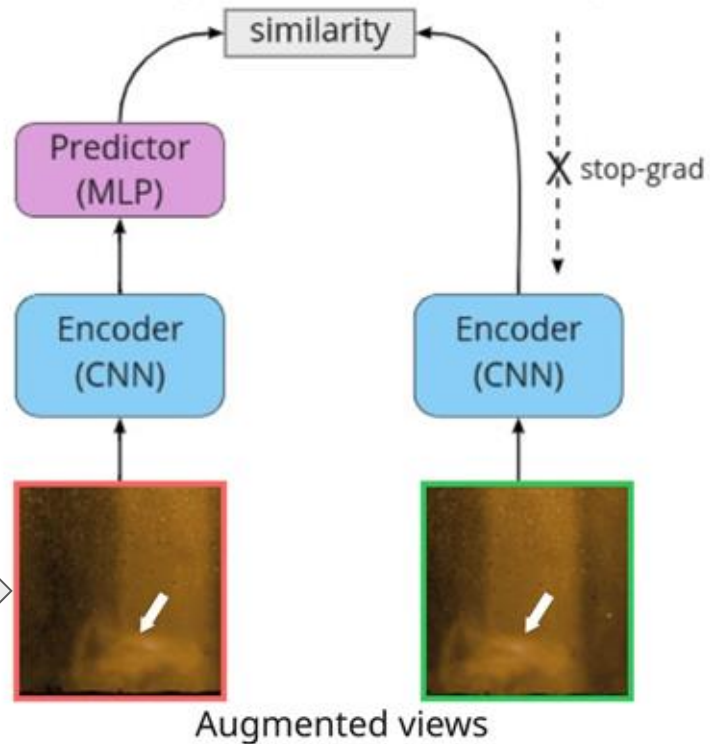
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- *Aim*: create a **CME forecasting solution** by mining similar past seen by PUNCH
- **Self-Supervised Learning** to convert PUNCH level-3 mosaics into vector representations– “*Embeddings*”
- Find nearest neighbors for given query in **Embedding Space**

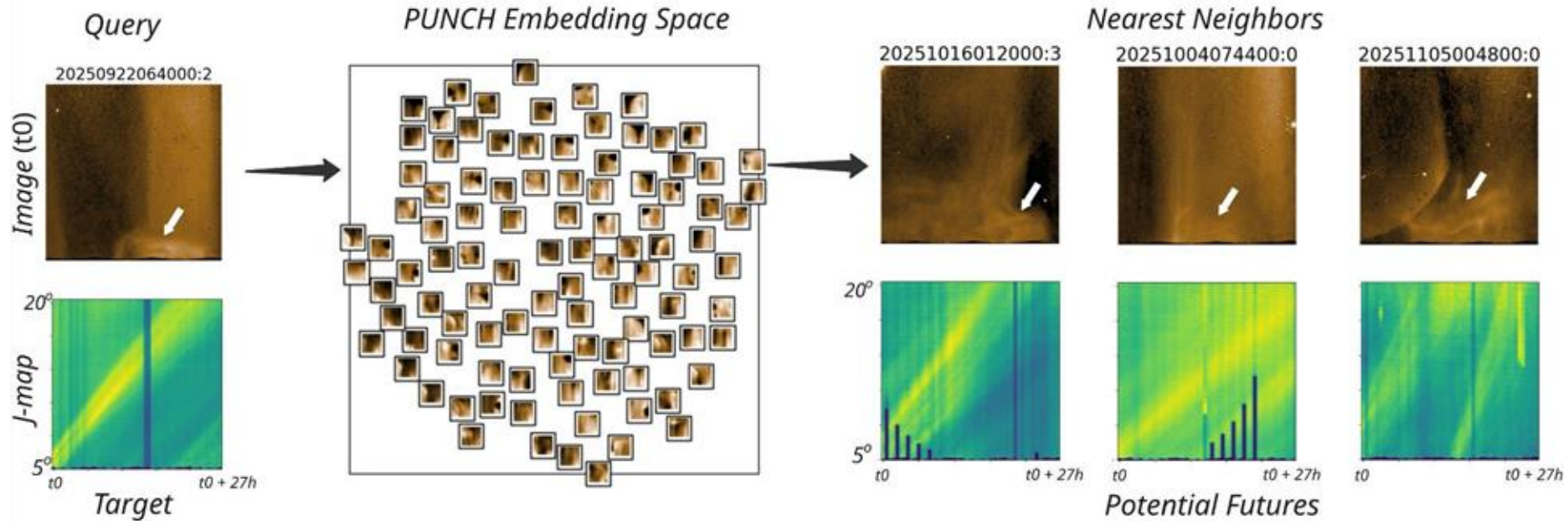
PUNCH L3 Mosaic polar (v0k)



## Self-Supervised Learning



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- Nearest neighbor J-maps – **many potential futures of CME propagation**