

# MST Cluster Builder

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- The task
  - Code modifications
- First 'proof of principle'
  - Current status

# Defining the Task

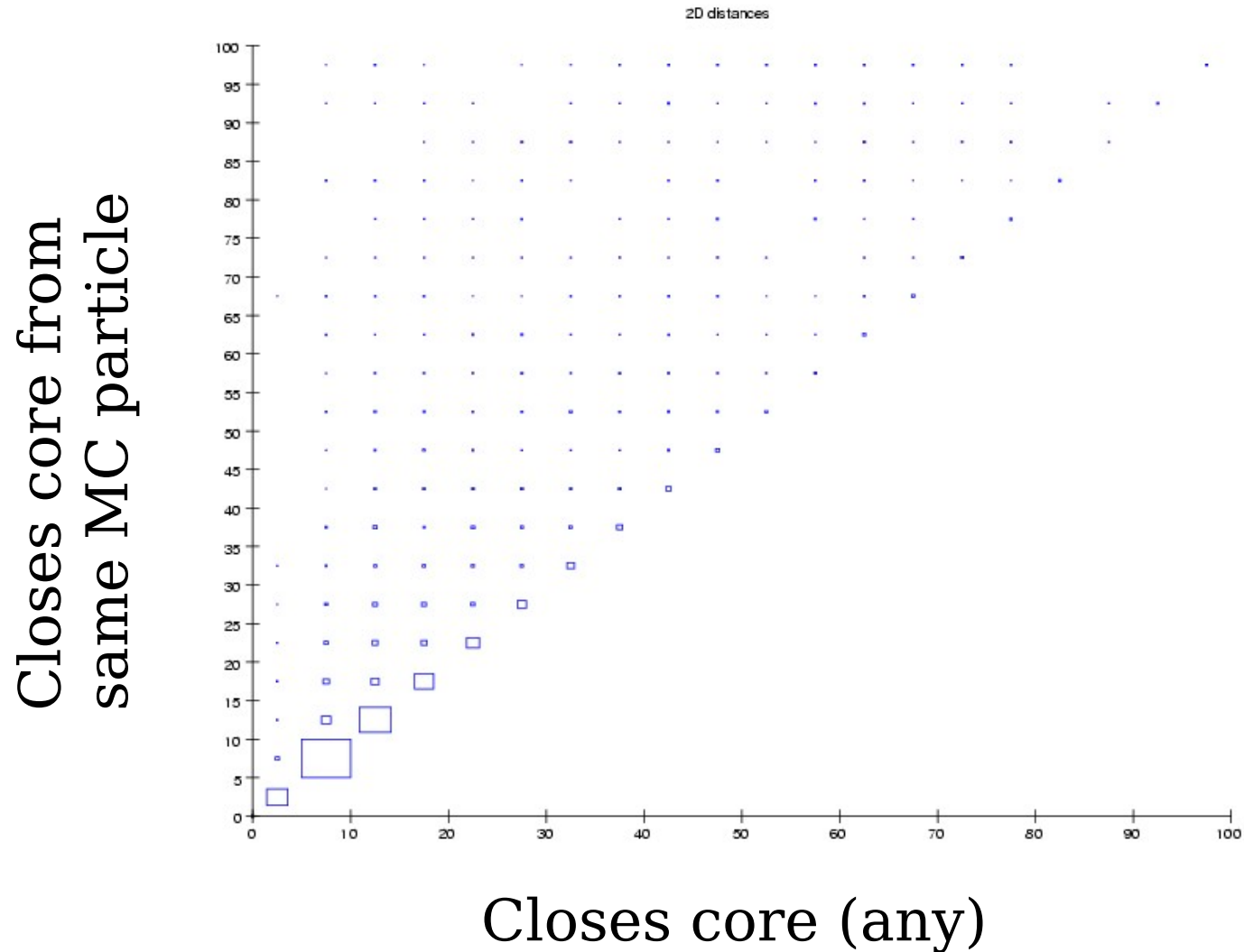
- We have package MST successfully applied to get cluster cores and fragments (W. Mader)
- Next step: merge cores and fragments
- Want to use MST algorithm
  - Reasonably fast and simple
  - Very flexible

# Code Modifications

- Current:  
CalorimeterHit -> AbstractCluster
- Needed:  
AbstractCluster -> AbstractCluster  
(Downward compatible, since each hit is a cluster)
- First tests: works fine

# At Least One Plot:

In Z-events: Distance between fragments and cores



# Status

- MST package generalized
- Before updating CVS:  
will eventually break “old” code  
-> someone using the package?
- The framework is there, now we have to explore how to merge small clusters, large clusters, fragments, single hits,...