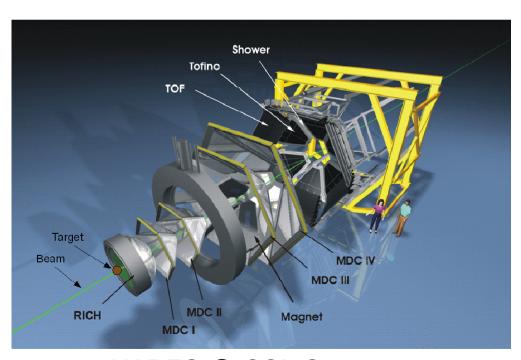


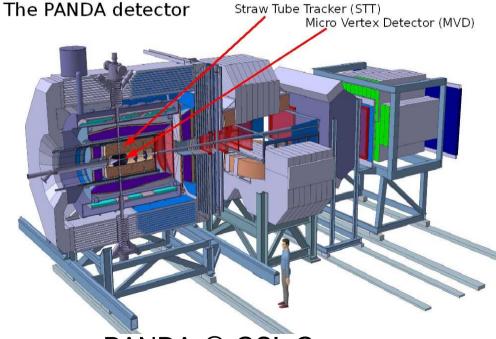
Trigger Algorithm Development Based on Compute Node

Presented by Ming Liu^{1, 2} for all authors from

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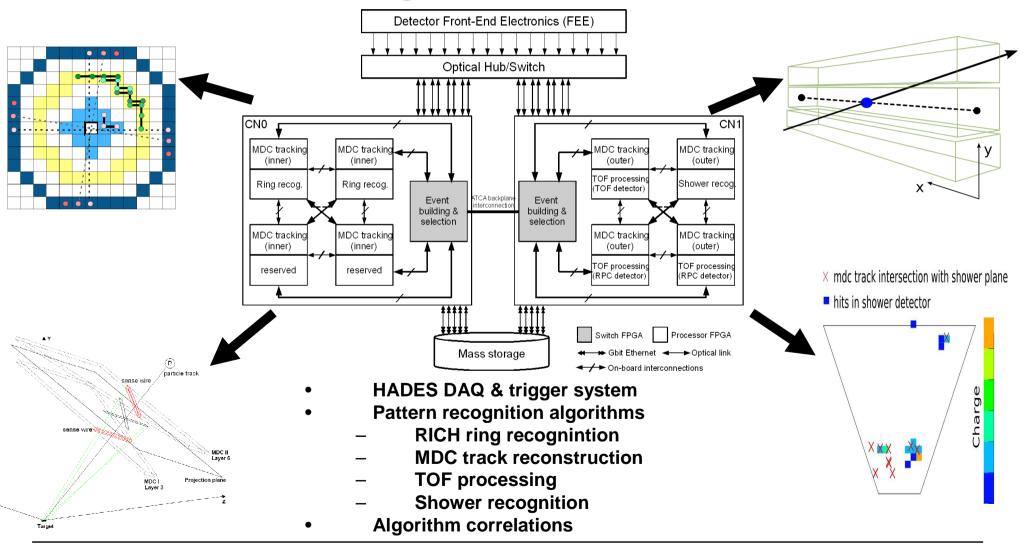
HADES @ GSI, Germany



PANDA @ GSI, Germany

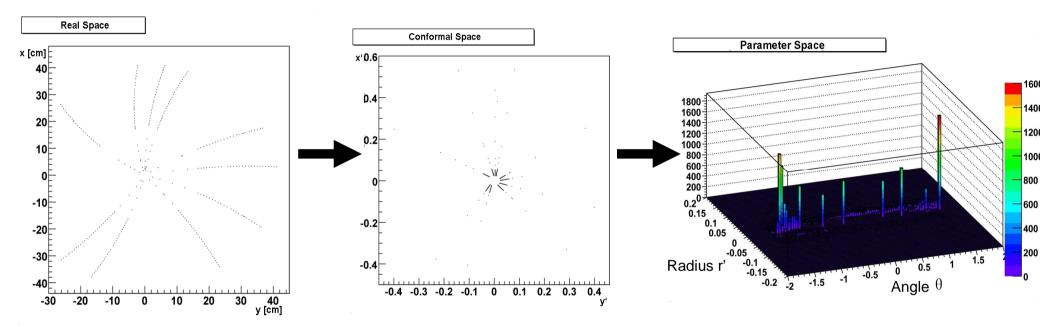


HADES Algorithms on FPGAs





PANDA Algorithms on FPGAs



- Helix Tracking Algorithm for PANDA (circle recognition)
- Conformal transformation: circles -> lines
- Line tracking with Hough transformation
- Find peaks in parameter space for lines in conformal space
- To be implemented on FPGAs

Welcome to poster TDAP-29: Trigger Algorithm Development Based on CN