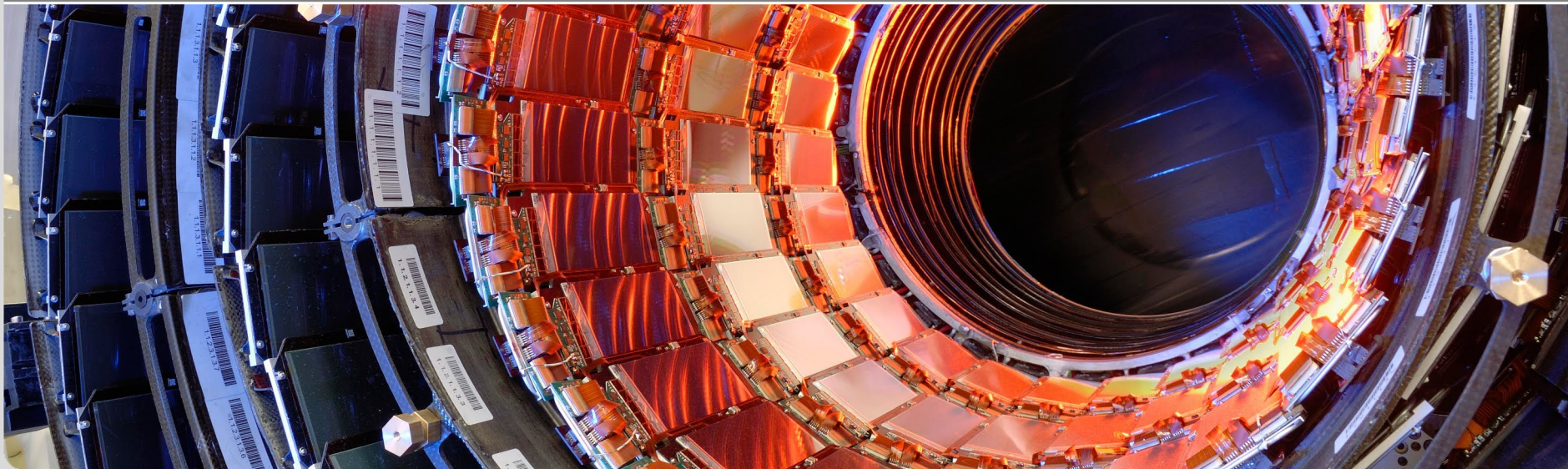


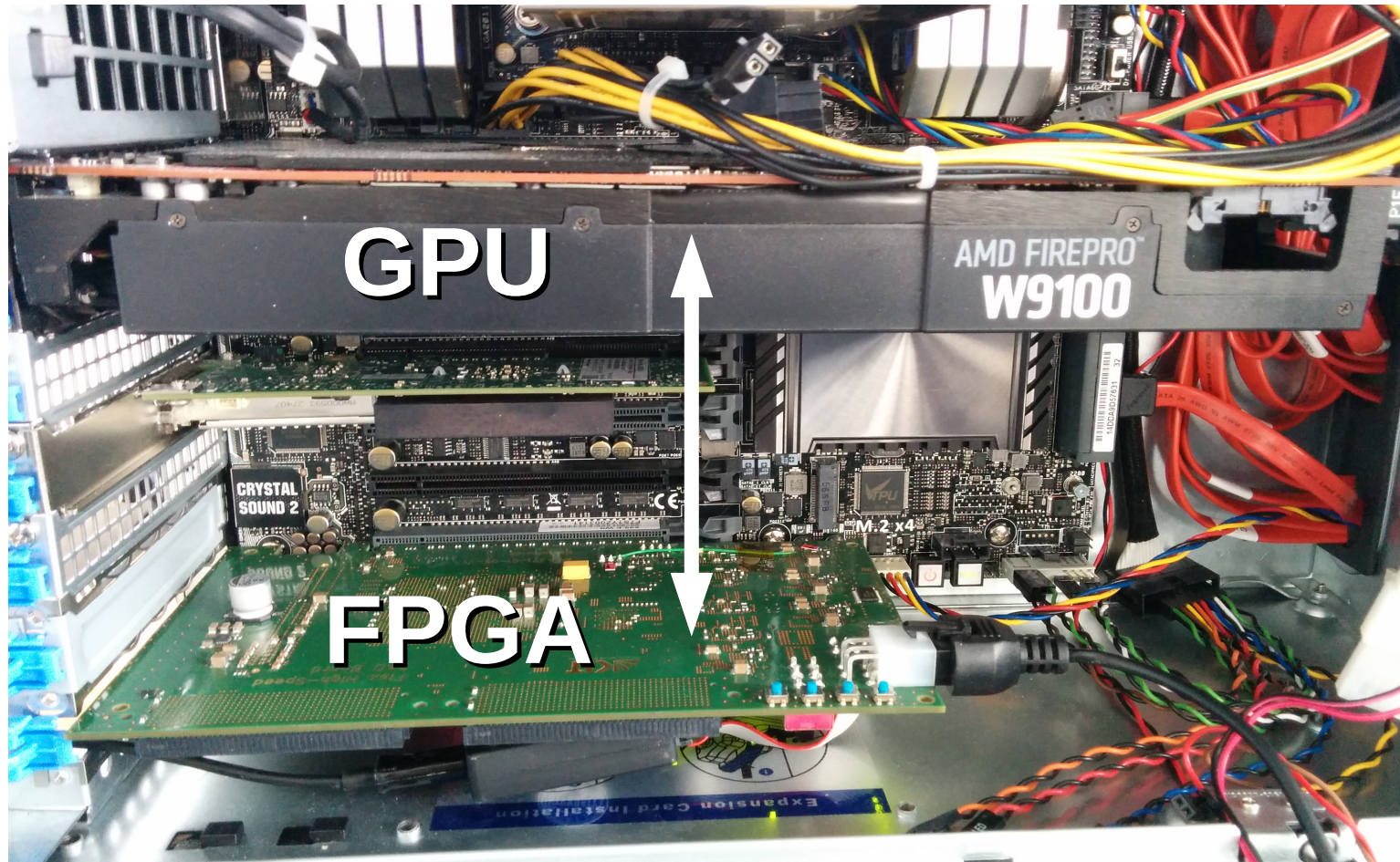
Evaluation of GPUs as level-1 track trigger for the high-luminosity LHC

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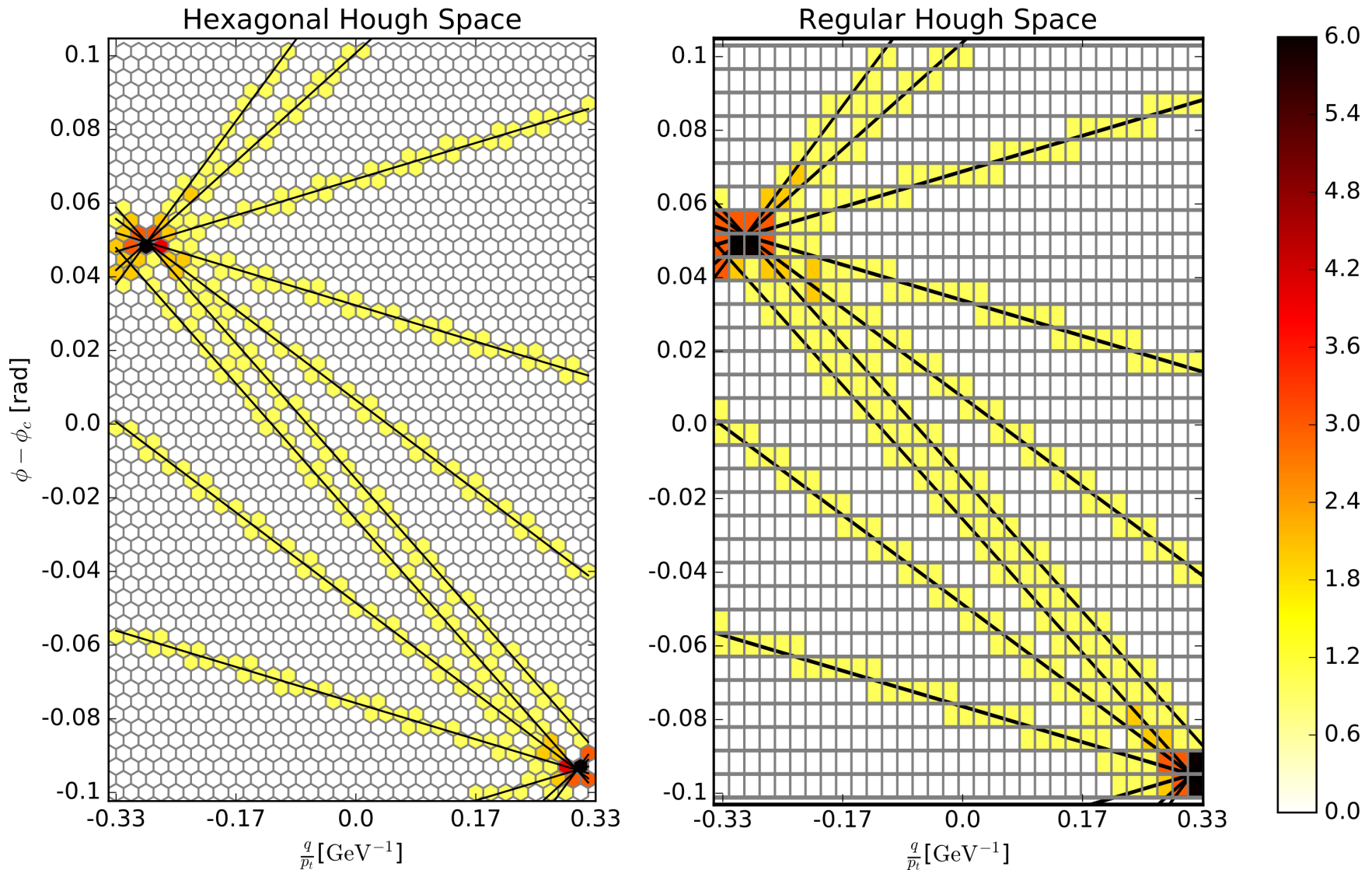


PCIe to PCIe DMA – High-Flex DAQ Board



For more details about the High-Flex DAQ board, see: “A High-Speed DAQ Framework for Future High-Level Trigger Events” by M. Caselle et. All., Journal of Instrumentation, 2016 (Currently under review)

Hexagonal Hough transformation



DMA BENCHMARK: HEXAGONAL HT

➤ (poll) Read/Uncompress data ➤ Ask for data ➤ Compute

