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Knowledge Exchange through Collaborations with Industry Partners: A Perspective from a University Group

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The detectors in experimental physics are typically custom made devices developed by the research groups who later use them for their experiments. The production of such detectors requires industrial processes. While the physicists and engineers designing the detectors need to have a good understanding of the details of the technologies offered by industry, the industry partners have to understand our specifications and potentially adapt their processes to our needs. Open collaborations with industry partners are therefore essential for the field of instrumentation for experimental physics. Using specific examples, we will showcase what knowledge exchange is in this context and how it boost technology advancements.

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