

REPORT

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In March 2001, I attended the Physics School on Quantum Entanglement in Les Houches, France. The scope of the school covered most aspects of the state-of-the-art quantum information processing (QIP), and was presented by well-known experts. This provided a unique opportunity for my getting updated in many fields that are not directly related to the topic of my PhD within just two weeks. I found especially useful the talks by R. Josza and I. Cirac on the theory of QIP, J.-M. Raimond and G. Rempe on the atomic implementation experiments, and P. Kwiat on quantum cryptography, to name just a few.

Talking about the field of my primary interest (semiconductor QIP), both the introduction by R. Ferreira and presentations by A. Imamoglu, J.-M. Gerard and Y. Yamamoto were a great deal of help and saved me a lot of reading. Coming to the school, I had a few questions in mind about basic semiconductor physics and my experiment. I was able to solve most of them in the follow-up discussions with these scientists during the days they stayed.

The school was organized in a very nice venue, which remoteness and magnificent scenery immediately created a relaxed and stimulating atmosphere for active interaction between fellow students, researchers and professors. During the two weeks I got to know a good mix of people, established personal contacts with some of them, and was invited to visit research groups in France and Denmark.

In general, I am very grateful to the organizers for giving me an opportunity to attend the school and the financial support by QUIPROCONE. I look forward to attending events like this in the future.