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Project title	<b>High-intensity coherent nonlinear optics (HICONO)</b>
Title	<b>Fellow's report on activities : Workshop on Attosecond and Ultrafast Physics V (Benasque, March 2017)</b>
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I attended the annual group retreat meeting and conference “Attosecond and Ultrafast Physics V”, which offered scientific talks on issues relevant to my individual research project in HICONO. The conference is taking place at the “Centro de Ciencias de Benasque” during three days, where colleagues from our group research are invited to present their last advanced work.

Goal : During the seminar I learned about the different projects that the group is developing: xuv isolated pulses, soft x-rays generation, OPCPA Petawatt Peak Powers, multi-colour system for strong-fields applications. Although, we could talk about general issues that colleagues encounter developing these tools/facilities.

Impact : The conference is about 12 to 15 talks, from PhD to Post-Docs (included Guests). It covers a broadband aspect of topics and research information that It helped me a lot to focus quickly and get involved inside the HICONO project.

Methodology : I gave a presentation of my actual research, developing one method of diffraction imaging in gas-phase for randomly-oriented large molecules. Using a Reaction Microscope and short mid-IR pulses, I presented a 1D Fourier Transform algorithm based on Laser-induced electron backscattering to probe the individuals bond-length of a hetero-nuclear system such as OCS, a well-known molecule.



Workshop at the Benasque Science Center (7-9/03/17).