

Acknowledgement

First of all, I would like to thank my supervisor, Prof. Wolfgang Kuch. His suggestions and ideas were interesting and meaningful. I have appreciated and followed him for the past 4 years.

I am also grateful to Prof. Jürgen Kirschner. He gave me a chance to start my PhD at Max-Planck-Institut, Halle. I liked very much the working atmosphere in his group, what . I was very happy to study with all the friendly colleagues.

When I started to work at the BESSY in the Kirschner/Kuch group, Dr. Francesco Offi and Dr. Liviu I. Chelaru were there. The six-weeks of continued beamtime I had with them is a precious memory. It was a lot of work and lots of data. They were necessary for me to start my studies in Germany. Many Post Doctors, Jing Wang, Masato Kotsugi, Shoguo Wang and Zyuen Yang, kindly taught me physics. Carsten Tieg and Radu Abbrudan are now writing their thesis. I am happy that we could work together.

For the time-resolved experiments, I collaborated with many people from CNRS, Grenoble. Many thanks Dr. Jan Vogel, who has a wide and deep knowledge about magnetism. I asked him many questions about physics, and he always kindly and correctly answered. I thanks also Dr. Stefania Pizzini and Dr. Julio Camarero, the discussions with them were always stimulating. The micro coil was made by Prof. Malio Bonfim. It worked very good. Yan Pennec and Fabien Romanens were PhD students there. It was nice to have beamtime with them.

I thank A. Vaurès, F. Petroff and A. Encinas for the sample preparations.

The beamtime at the Swiss Light Source was supported by Dr. Christoph Quitmann and Dr. Frithjof Nolting. I was really thankful for their helpful guidance in operating the Elmitech PEEM.

I got a great help from Frank Helbig, not only for my experiments but also for my personal matters. I thank Birgitt Zada and Willy Marlar, who are the beamline scientists at UE56-PGM2 in BESSY. I especially thank Birgitt Zada for helping me with my car problem.

Finally, I would like to thank my wife, Aki. She has been supporting me since she came to Germany. Now it is my turn to support her.

