



## DUBBLE – EXPERIMENT REPORT

We kindly request you to answer the questions (max 2 pages) and return the form to NWO **within 2 months of the completion of the experiment** to [dubble@nwo.nl](mailto:dubble@nwo.nl)

Beam time number: 26-02-688		File number: 195.068.778
Beamline: BM26B	Date(s) of experiment: 18.- 21/07/2014	Date of report: 21. September 2014
Shifts: 9	Local contact(s): Dr. G. Portale	

- 1. Who took part in the experiments?** (Please indicate names and affiliations)  
Pablo Gonzalez Rodriguez; Huiyu Yuan; Roy Lubbers; Alessandro Resmini – Universiteit Twente
- 2. Were you able to execute the planned experiments?**  
YES
- 3. Did you encounter experimental problems?**  
NO, except for one short term problem with beam, which was quickly fixed(within ~1 h). Other 71 hrs beam time ok!
- 4. Was the local support adequate?**  
YES
- 5. Are the obtained results at this stage in line with the expected results as mentioned on the project proposal?**  
YES
- 6. Are you planning follow-up experiments at DUBBLE for this project?**  
YES
- 7. Are you planning experiments at other synchrotrons in the near future?**  
NO
- 8. Do you expect any scientific output from this experimental session (publication, patent, ...)**  
YES.  
We will be able to publish 2 papers with results from this experiment: one paper will be about the development of solid state lubricants from layered oxides (tentative publishing date 2015), the other paper about the mechanism of exfoliation of titania nanosheets (tentative publishing date end 2014), both in chemistry of materials journals.
- 9. Additional remarks**  
N.A.