

## Results from MARVEL experimental verification call 2014

25.03.2015

Title	Proposer	Institute
Structural and in-situ electrochemical characterization of oxide phase transformation at oxide-liquid interface	Claudia Cancellieri	Empa
Theory and Experiment Synergy for Artificial Photosynthesis	Thomas Lippert	PSI
Higgs and Goldstone modes in hexagonal manganites	Dirk van der Marel	Uni Geneva
RNiO <sub>3</sub> perovskites: exploring the boundary between localized and itinerant behaviour	Maria Luisa Medarde Barragan	PSI
Development of advanced electrocatalysts for water splitting: Correlation between electronic structure, surface properties and electrochemical activity	Thomas Schmidt	PSI
Resonant Inelastic X-Ray Scattering on thin films and oxide heterostructures for future Mottronics and Orbitronics	Thorsten Schmitt	PSI
Time-resolved X-ray absorption spectroscopy to investigate mechanisms of photochemical water splitting reactions with molecular catalysts	Grigory Smolentsev	PSI
Testing ultrafast processes in condensed matter	Urs Staub	PSI