

**List of Publications of Thomas Prokscha, as of September 2019:**

Author and Co-author of 19 articles in Nature journals (Nature, Nat. Phys., Nat. Mat., Nat. Comm., Sci. Rep.), Science, and ACS Nano, and of 20 articles in Physical Review Letters/Physical Review X

**Published**

- 152) **Interaction of low-energy muons with defect profiles in proton-irradiated Si and 4H-SiC**  
Woerle J, Prokscha T, Hallen A, Grossner U  
**Physical Review B 100**, 115202 (2019)
- 151) **Manifestation of the electromagnetic proximity effect in superconductor-ferromagnet thin film structures**  
Flokstra MG, Stewart, Satchell N, Burnell G, Luetkens H, Prokscha T, Suter A, Morenzoni E, Langridge S, Lee SL  
**Applied Physics Letters 115**, 072602 (2019)
- 150) **Controlling the electromagnetic proximity effect by tuning the mixing between superconducting and ferromagnetic order**  
Stewart R, Flokstra MG, Rogers M, Satchell N, Burnell G, Miller D, Luetkens H, Prokscha T, Suter A, Morenzoni E, Lee SL  
**Physical Review B 100**, 020505(R) (2019)
- 149) **Phase transition in the cuprates from a magnetic-field-free stiffness meter viewpoint**  
Kapon I, Salman Z, Mangel I, Prokscha T, Gavish N, Keren A  
**Nature Communications 10**, 2364 (2019)
- 148) **Critical fields of Nb<sub>3</sub>Sn prepared for superconducting cavities**  
Keckert S, Junginger T, Buck T, Hall D, Kolb P, Kugeler O, Laxdal R, Liepe M, Posen S, Prokscha T, Salman Z, Suter A, Knobloch J  
**Superconductor Science and Technology 32**, 075004 (2019)
- 147) **Engineering the magnetic order in epitaxially strained Sr<sub>1-x</sub>Ba<sub>x</sub>MnO<sub>3</sub> perovskite thin films**  
Maurel L, Marcano N, Langenberg E, Guzman R, Prokscha T, Magén C, Pardo JA, Algarabel PA  
**APL Materials 7**, 041117 (2019)
- 146) **Evidence for the homogeneous ferromagnetic phase in (Ga,Mn)(Bi,As) epitaxial layers from muon spin relaxation spectroscopy**  
Levchenko K, Prokscha T, Sadowski J, Radelytskyi I, Jakiela R, Trzyna M, Andrearczyk T, Figielski T, Wosinski T  
**Scientific Reports 9**, 3394 (2019)
- 145) **Do topology and ferromagnetism cooperate at the EuS/Bi<sub>2</sub>Se<sub>3</sub> interface?**  
Krieger JA, Ou Y, Caputo M, Chikina A, Döbeli M, Husanu MA, Keren I, Prokscha T, Suter A, Chang C, Moodera JS, Strocov VN, Salman Z  
**Physical Review B 99**, 064423 (2019)

- 144) **Search for the Magnetic Monopole at a Magnetoelectric Surface**  
Meier QN, Fechner M, Nozaki T, Sahashi M, Salman Z, Prokscha T, Suter A, Schoenherr P, Lilienblum M, Borisov P, Dzyaloshinskii IE, Fiebig M, Luetkens H, Spaldin NA  
**Physical Review X** **9**, 011011 (2019)
- 143) **Intrinsic or Interface Clustering-Induced Ferromagnetism in Fe-Doped In<sub>2</sub>O<sub>3</sub>-Diluted Magnetic Semiconductors**  
Luo X, Tseng L, Wang Y, Bao N, Lu Z, Ding X, Zheng R, Du Y, Huang K, Shu L, Suter A, Lee W, Liu R, Ding J, Suzuki K, Prokscha T, Morenzoni E, Yi J  
**ACS APPLIED MATERIALS & INTERFACES** **10**, 22372 (2018)
- 142) **Collective magnetism in an artificial 2D XY spin system**  
Leo N, Holenstein S, Schildknecht D, Sendetskyi O, Luetkens H, Derlet PM, Scagnoli V, Lancon D, Mardegan JRI, Prokscha T, Suter A, Salman Z, Lee S, Heyderman J  
**Nature Communications** **9**, 2850 (2018)
- 141) **Direct evidence of superconductivity and determination of the superfluid density in buried ultrathin FeSe grown on SrTiO<sub>3</sub>**  
Biswas PK, Salman Z, Song Q, Peng R, Zhang J, Shu L, Feng DL, Prokscha T, Morenzoni E  
**Physical Review B** **97**, 174509 (2018)
- 140) **Investigation of Hydrogen-Like Muonium States in Nb-Doped SnO<sub>2</sub> Films**  
Rabis A, Prokscha T, Fabbri E, Salman Z, Schmidt T, Suter A  
**JPS Conference Proceedings** **21**, 011033 (2018)
- 139) **LE-muSR Study of Superconductivity in the Thin Film Battery Material LiTi<sub>2</sub>O<sub>4</sub>**  
Månsson M, Forslund OK, Nozaki H, Umegaki I, Shiraki S, Hitosugi T, Prokscha T, Salman Z, Suter A, Sassa Y, Sugiyama J  
**JPS Conference Proceedings** **21**, 011025 (2018)
- 138) **Li-Diffusion in Spinel Li[Ni<sup>1/2</sup>Mn<sup>3/2</sup>]O<sub>4</sub> Powder and Film Studied with  $\mu$ SR**  
Sugiyama J, Nozaki H, Umegaki I, Mukai K, Cottrell SP, Shiraki S, Hitosugi T, Sassa Y, Suter A, Salman Z, Prokscha T, Månsson M  
**JPS Conference Proceedings** **21**, 011015 (2018)
- 137) **Observation of Anomalous Meissner Screening in Cu/Nb and Cu/Nb/Co Thin Films**  
Flokstra MG, Stewart R, Satchell N, Burnell G, Luetkens H, Prokscha T, Suter A, Morenzoni E, Langridge S, Lee SL  
**Physical Review Letters** **120**, 247001 (2018)
- 136) **Quasistatic antiferromagnetism in the quantum wells of SmTiO<sub>3</sub>/SrTiO<sub>3</sub> heterostructures**  
Need RF, Marshall PB, Kenney E, Suter A, Prokscha T, Salman Z, Kirby Brian J, Stemmer S, Graf Michael J, Wilson SD  
**npj Quantum Materials** **3**, 7 (2018)
- 135) **Search for d<sub>0</sub>-Magnetism in Amorphous MB<sub>6</sub> (M=Ca, Sr, Ba) Thin Films**  
Suter A, Ackland K, Stilp E, Prokscha T, Salman Z, Coey M  
**JPS Conference Proceedings** **21**, 011003 (2018)
- 134) **Slow-muon study of quaternary solar-cell materials: Single layers and p-n junctions**  
Alberto HV, Vilão RC, Vieira RBL, Gil JM, Weidinger A, Sousa MG, Teixeira JP, da Cunha AF, Leitão JP, Salomé PMP, Fernandes PA, Törndahl T, Prokscha T, Suter A, Salman Z  
**Physical Review Materials** **2**, 025402 (2018)

- 133) **Strain-induced competition between ferromagnetism and emergent antiferromagnetism in (Eu,Sr)MnO<sub>3</sub>**  
Grutter AJ, Disseler SM, Moon EJ, Gilbert DA, Arenholz E, Suter A, Prokscha T, Salman Z, Kirby BJ, May SJ  
**Physical Review Materials** 2, 094402 (2018)
- 132) **Superconducting Properties of Cu Intercalated Bi<sub>2</sub>Se<sub>3</sub> Studied by Muon Spin Spectroscopy**  
Krieger JA, Kanigel A, Ribak A, Pomjakushina E, Chashka Khanan B, Conder K, Morenzoni E, Prokscha T, Suter A, Salman Z  
**JPS Conference Proceedings** 21, 011028 (2018)
- 131) **Superconductivity drives magnetism in delta-doped La<sub>2</sub>CuO<sub>4</sub>**  
Suter A, Logvenov G, Boris AV, Baiutti F, Wrobel F, Howald L, Stilp E, Salman Z, Prokscha T, Keimer B  
**Physical Review B** 97, 134522 (2018)
- 130) **Unexpected effects of thickness and strain on superconductivity and magnetism in optimally doped La<sub>1.84</sub>Sr<sub>0.16</sub>CuO<sub>4</sub> thin films**  
Howald L, Stilp E, Baiutti F, Dietl C, Wrobel F, Logvenov G, Prokscha T, Salman Z, Wooding N, Pavuna D, Keller H, Suter A  
**Physical Review B** 97, 094514 (2018)
- 129) **A segmented conical electric lens for optimization of the beam spot of the low-energy muon facility at PSI: a Geant4 simulation analysis**  
Xiao R, Morenzoni E, Salman Z, Ye B, Prokscha T  
**Nuclear Science and Techniques** 28, 29 (2017)
- 128) **Controlling the Electrical and Magnetoelectric Properties of Epitaxially Strained Sr(1-x)Ba(x)MnO<sub>3</sub> Thin Films**  
Langenberg E, Maurel L, Marcano N, Guzmán R, Trichovanec P, Prokscha T, Magén C, Algarabel Pedro A, Pardo José A  
**Advanced Materials Interfaces** 4, 1601040 (2017)
- 127) **Emergent magnetism at transition-metal/nanocarbon interfaces**  
Al Ma'Mari F, Rogers M, Alghamdi S, Moorsom T, Lee S, Prokscha T, Luetkens H, Valvidares M, Teobaldi G, Flokstra M, Stewart R, Gargiani P, Ali M, Burnell G, Hickey BJ, Cespedes O  
**Proceedings of the National Academy of Sciences** 114, 5583 (2017)
- 126) **Intrinsic and spatially nonuniform ferromagnetism in Co-doped ZnO films**  
Tseng LT, Suter A, Wang YR, Xiang FX, Bian P, Ding X, Tseng A, Hu HL, Fan HM, Zheng RK, Wang XL, Salman Z, Prokscha T, Suzuki K, Liu R, Li S, Morenzoni E, Yi JB  
**Physical Review B** 96, 104423 (2017)
- 125) **Probing current-induced magnetic fields in Au/YIG heterostructures with low-energy muon spin spectroscopy**  
Aqeel A, Vera-Marun IJ, Salman Z, Prokscha T, Suter A, van Wees BJ, Palstra TTM  
**Applied Physics Letters** 110, 062409 (2017)
- 124) **Room-temperature helimagnetism in FeGe thin films**  
Zhang SL, Stasinopoulos I, Lancaster T, Xiao F, Bauer A, Rucker F, Baker AA, Figueroa AI, Salman Z, Pratt FL, Blundell SJ, Prokscha T, Suter A, Waizner J, Garst M, Grundler D, van der Laan G, Pfleiderer C, Hesjedal T  
**Scientific Reports** 7, 123 (2017)
- 123) **Spectroscopic perspective on the interplay between electronic and magnetic properties of magnetically doped topological insulators**

- Krieger J A, Chang C-Z, Husanu M-A, Sostina D, Ernst A, Otrokov M M, Prokscha T, Schmitt T, Suter A, Vergniory M G, Chulkov E V, Moodera J S, Strocov V N, Salman Z  
**Physical Review B** **96**, 184402 (2017)
- 122) **Spin-phonon coupling in epitaxial Sr<sub>0.6</sub>Ba<sub>0.4</sub>MnO<sub>3</sub> thin films**  
Goian V, Langenberg E, Marcano N, Bovtun V, Maurel L, Kempa M, Prokscha T, Kroupa J, Algarabel PA, Pardo JA, Kamba S  
**Physical Review B** **95**, 075216 (2017)
- 121) **Suppression of magnetic excitations near the surface of the topological Kondo insulator SmB<sub>6</sub>**  
PK Biswas, M Legner, G Balakrishnan, M Hatnean Ciomaga, MR Lees, D Mck Paul, E Pomjakushina, T Prokscha, A Suter, T Neupert, Z Salman  
**Physical Review B** **95(R)**, 020410 (2017)
- 120) **Coexisting multiple order parameters in single-layer LuMnO<sub>3</sub> films**  
C Schneider, S Mukherjee, K Shimamoto, S Das, H Luetkens, J White, M Bator, H Yi, J Stahn, T Prokscha, A Suter, Z Salman, M Kenzelmann, T Lippert, C Niedermayer  
**Physical Review B** **94**, 054423 (2016)
- 119) **Intrinsic ferromagnetism in diluted magnetic semiconductor Co:TiO<sub>2</sub>**  
H Saadaoui, X Luo, Z Salman, XY Cui, NN Bao, RK Zheng, LT Tseng, T Prokscha, A Suter, T Liu, YR Wang, S Li, J Ding, SP Ringer, E Morenzoni, JB Yi  
**Physical Review Letters** **117**, 227202 (2016)
- 118) **Nanoscale depth-resolved polymer dynamics probed by the implantation of low energy muons**  
FL Pratt, T Lancaste, PJ Baker, SJ Blundell, T Prokscha, E Morenzoni, A Suter, HE Assender  
**Polymer** **105**, 516 (2016)
- 117) **Robust magnetic properties of a sublimable single molecule magnet**  
E Kiefl, M Mannini, K Bernot, X Yi, A Amato, T Leviant, A Magnani, T Prokscha, A Suter, R Sessoli, Z Salman  
**ACS Nano** **10**, 5663 (2016)
- 116) **Spatial confinement of muonium atoms**  
KS Khaw, A Antognini, T Prokscha, K Kirch, L Liskay, Z Salman, P Crivelli  
**Physical Review A** **94**, 022716 (2016)
- 115) **Transverse field muon-spin rotation measurement of the topological anomaly in a thin film of MnSi**  
T Lancaster, F Xiao, Z Salman, O Thomas, SJ Blundell, FL Pratt, SJ Clark, T Prokscha, A Suter, SL Zhang, AA Baker, T Hesjedal  
**Physical Review B** **93(R)**, 140412 (2016)
- 114) **Remotely induced magnetism in a normal metal using a superconducting spin-valve**  
MG Flokstra, N Satchell, J Kim, G Burnell, PJ Curran, SJ Bending, JFK Cooper, CJ Kinane, S Langridge, A Isidori, N Pugach, M Eschrig, H Luetkens, A Suter, T Prokscha, SL Lee  
**Nature Physics** **12**, 57 (2016)
- 113) **Intrinsic paramagnetic Meissner effect due to s-wave odd-frequency superconductivity**  
A Di Bernardo, Z Salman, XL Wang, M Amado, M Egilmez, MG Flokstra, A Suter, SL Lee, JH Zhao, T Prokscha, E Morenzoni, MG Blamire, J Linder, JWA Robinson  
**Physical Review X** **5**, 041021 (2015)

- 112) **Geant4 simulation of the PSI LEM beam line: energy loss and muonium formation in thin foils and the impact of unmoderated muons on the  $\mu$ SR spectrometer**  
KS Khaw, A Antognini, P Crivelli, K Kirch, E Morenzoni, Z Salman, A Suter, T Prokscha **Journal of Instrumentation** **10**, P10025 (2015)
- 111) **Thermodynamic phase transitions in a frustrated magnetic metamaterial**  
L Anghinolfi, H Luetkens, J Perron, MG Flokstra, O Sendetskyi, A Suter, T Prokscha, PM Derlet, SL Lee, LJ Heyderman  
**Nature Communications** **6**, 8278 (2015)
- 110) **Li-ion diffusion in  $\text{Li}_4\text{Ti}_5\text{O}_{12}$  and  $\text{LiTi}_2\text{O}_4$  battery materials detected by muon spin spectroscopy**  
J Sugiyama, H Nozaki, I Umegaki, K Mukai, K Miwa, S Shiraki, T Hitosugi, A Suter, T Prokscha, Z Salman, JS Lord, M Mansson  
**Physical Review B** **92**, 014417 (2015)
- 109) **Distribution of glass transition temperatures  $T_g$  in polystyrene thin films as revealed by low-energy muon spin relaxation: A comparison with neutron reflectivity results**  
T Kanaya, H Ogawa, M Kishimoto, R Inoue, A Suter, T Prokscha  
**Physical Review E** **92**, 022604 (2015)
- 108) **Nature of antiferromagnetic order in epitaxially strained multiferroic  $\text{SrMnO}_3$  thin films**  
L Maurel, N Marcano, T Prokscha, E Langenberg, J Blasco, R Guzman, A Suter, C Magen, L Morellon, MR Ibarra, JA Pardo, PA Algarabel  
**Physical Review B** **92**, 024419 (2015)
- 107) **Beating the Stoner criterion using molecular interfaces**  
FA Ma'mari, T Moorsom, G Teobaldi, W Deacon, T Prokscha, H Luetkens, S Lee, GE Sterbinsky, DA Arena, DA MacLaren, M Flokstra, M Ali, MC Wheeler, G Burnell, BJ Hickey, O Cespedes  
**Nature** **524**, 69 (2015)
- 106) **Elevated Curie temperature and half-metallicity in the ferromagnetic semiconductor  $\text{La}_x\text{Eu}_{1-x}\text{O}$**   
PMS Monteiro, PJ Baker, NDM Hine, NJ Steinke, A Ionescu, JFK Cooper, CHW Barnes, CJ Kinane, Z Salman, AR Wildes, T Prokscha, S Langridge  
**Physical Review B** **92**, 045202 (2015)
- 105) **Core-shell nanostructure in a  $\text{Ge}_{0.9}\text{Mn}_{0.1}$  film observed via structural and magnetic measurements**  
P Dalmas de Reotier, E Prestat, P Bayle-Guillemaud, M Boukhari, A Barski, A Marty, M Jamet, A Suter, T Prokscha, Z Salman, E Morenzoni, A Yaouanc  
**Physical Review B** **91**, 245408 (2015)
- 104) **Interfacial dominated ferromagnetism in nanograined ZnO: a  $\mu$ SR and DFT study**  
T Tietze, P Audehm, Y Chen, G Schuetz, BB Straumal, SG Protasova, AA Mazilkin, PB Straumal, T Prokscha, H Luetkens, Z Salman, A Suter, B Baretzky, K Fink, W Wenzel, D Danilov, E Goering  
**Scientific Reports** **5**, 8871 (2015)
- 103) **The phase diagram of electron-doped  $\text{La}_{2-x}\text{Ce}_x\text{CuO}_{4-\delta}$**   
H Saadaoui, Z Salman, H Luetkens, T Prokscha, A Suter, WA MacFarlane, Y Jiang, K Jin, RL Greene, E Morenzoni, RF Kiefl  
**Nature Communications** **6**, 6041 (2015)

- 102) **Depth dependence of the ionization energy of shallow hydrogen states in ZnO and CdS**  
T Prokscha, H Luetkens, E Morenzoni, GJ Nieuwenhuys, A Suter, M Doebeli, M Horisberger, E Pomjakushina  
**Physical Review B** **90**, 235303 (2014)
- 101) **Direct Spectroscopic Observation of a Shallow Hydrogenlike Donor State in Insulating SrTiO<sub>3</sub>**  
Z Salman, T Prokscha, A Amato, E Morenzoni, R Scheuermann, K Sedlak, A Suter  
**Physical Review Letters** **113**, 156801 (2014)
- 100) **Controlling the near-surface superfluid density in underdoped YBa<sub>2</sub>Cu<sub>3</sub>O<sub>6+x</sub> by photo-illumination**  
E Stilp, A Suter, T Prokscha, Z Salman, E Morenzoni, H Keller, P Pahlke, R Huehne, C Bernhard, L Ruixing, WN Hardy, DA Bonn, JC Baglo, RF Kiefl  
**Scientific Reports** **4**, 6250 (2014)
- 99) **Polymer dynamics near the surface and in the bulk of poly(tetrafluoroethylene) probed by zero-field muon-spin-relaxation spectroscopy**  
I Mckenzie, Z Salman, SR Giblin, YY Han, GW Leach, E Morenzoni, T Prokscha, A Suter  
**Physical Review E** **89**, 022605 (2014)
- 98) **Measurement of the spatial extent of inverse proximity in a Py/Nb/Py superconducting trilayer using low-energy muon-spin rotation**  
MG Flokstra, SJ Ray, SJ Lister, J Aarts, H Luetkens, T Prokscha, A Suter, E Morenzoni, SL Lee  
**Physical Review B** **89**, 054510 (2014)
- 97) **Strong Meissner screening change in superconducting radio frequency cavities due to mild baking**  
A Romanenko, A Grassellino, F Barkov, A Suter, Z Salman, T Prokscha  
**Applied Physics Letters** **104**, 072601 (2014)
- 96) **Modifications of the Meissner screening profile in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-δ</sub> thin films by gold nanoparticles**  
E Stilp, A Suter, T Prokscha, Z Salman, E Morenzoni, H Keller, C Katzer, F Schmidl, M Doebeli  
**Physical Review B** **89**, 020510 (2014)
- 95) **Two-Dimensional Magnetic and Superconducting Phases in Metal-Insulator La<sub>2-x</sub>Sr<sub>x</sub>CuO<sub>4</sub> Superlattices Studied by Low-Energy Muon-Spin Rotation**  
A Suter, E Morenzoni, T Prokscha, B Wojek, H Luetkens, A Gozar, G Logvenov, I Bozovic  
**Proceedings of the international symposium on science explored by ultra slow muon (USM2013)** **2**, 010204 (2014)
- 94) **Low-Energy Muons at PSI: Examples of Investigations of Superconducting Properties in Near-Surface Regions and Heterostructures**  
E Morenzoni, T Prokscha, H Saadaoui, Z Salman, A Suter, B Wojek, J Baglo, I Bozovic, M Hossain, R Kiefl, G Logvenov, O Ofer  
**Proceedings of the international symposium on science explored by ultra slow muon (USM2013)** **2**, 010201 (2014)
- 93) **Muonium states in Cu<sub>2</sub>ZnSnS<sub>4</sub> solar cell material**  
HV Alberto, RC Vilao, JM Gil, J Piroto Duarte, RBL Vieira, A Weidinger, JP Leitao, AF da Cunha, MG Sousa, JP Teixeira, PA Fernandes, PMP Salome, K Timmo, M Loorits, A

- Amato, H Luetkens, T Prokscha, A Suter, Z Salman  
**Journal of Physics: Conference Series 551**, 012045 (2014)
- 92) **Simulation of TF- $\mu$ SR histograms in germanium in the presence of cyclic charge state transitions of muonium**  
T Prokscha  
**Journal of Physics: Conference Series 551**, 012049 (2014)
- 91) **Absence of spontaneous magnetism associated with a possible time-reversal symmetry breaking state beneath the surface of (110)-oriented YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> superconducting films**  
H Saadaoui, Z Salman, T Prokscha, A Suter, H Huhtinen, E Morenzoni  
**Physical Review B 88**, 180501(R) (2013)
- 90) **Photo-induced persistent inversion of germanium in a 200-nm-deep surface region**  
T Prokscha, KH Chow, E Stilp, A Suter, H Luetkens, E Morenzoni, GJ Nieuwenhuys, Z Salman, R Scheuermann  
**Scientific Reports 3**, 2569 (2013)
- 89) **Magnetic phase diagram of low-doped La<sub>2-x</sub>Sr<sub>x</sub>CuO<sub>4</sub> thin films studied by low-energy muon-spin rotation**  
E Stilp, A Suter, T Prokscha, E Morenzoni, H Keller, BM Wojek, H Luetkens, A Gozar, G Logvenov, I Bozovic  
**Physical Review B 88**, 064419 (2013)
- 88) **Spatially Homogeneous Ferromagnetism below the Enhanced Curie Temperature in EuO<sub>1-x</sub> Thin Films**  
P Monteiro, P Baker, A Ionescu, C Barnes, Z Salman, A Suter, T Prokscha, S Langridge  
**Physical Review Letters 110**, 217208 (2013)
- 87) **Nonlocal effect and dimensions of Cooper pairs measured by low-energy muons and polarized neutrons in type-I superconductors**  
V Kozhevnikov, A Suter, H Fritzsche, V Gladilin, A Volodin, T Moorkens, M Trekels, J Cuppens, B Wojek, T Prokscha, E Morenzoni, GJ Nieuwenhuys, MJ Van Bael, K Temst, C Van Haesendonck, JO Indekeu  
**Physical Review B 87**, 104508 (2013)
- 86) **Depth-Dependent Spin Dynamics in Thin Films of TbPc<sub>2</sub> Nanomagnets Explored by Low-Energy Implanted Muons**  
A Hofmann, Z Salman, M Mannini, A Amato, L Malavolti, E Morenzoni, T Prokscha, R Sessoli, A Suter  
**ACS Nano 6**, 8390 (2012)
- 85) **Nanoscale Layering of Antiferromagnetic and Superconducting Phases in Rb<sub>2</sub>Fe<sub>4</sub>Se<sub>5</sub> Single Crystals**  
A Charnukha, A Cvitkovic, T Prokscha, D Propper, N Ocelic, A Suter, Z Salman, E Morenzoni, J Deisenhofer, V Tsurkan, A Loidl, B Keimer, AV Boris  
**Physical Review Letters 109**, 017003 (2012)
- 84) **Muonium Emission into Vacuum from Mesoporous Thin Films at Cryogenic Temperatures**  
A Antognini, P Crivelli, T Prokscha, KS Khaw, B Barbiellini, L Liskay, K Kirch, K Kwuida, E Morenzoni, FM Piegsa, Z Salman, A Suter  
**Physical Review Letters 108**, 143401 (2012)
- 83) **Magnetism, superconductivity, and coupling in cuprate heterostructures probed by low-energy muon-spin rotation**

- BM Wojek, E Morenzoni, DG Eshchenko, A Suter, T Prokscha, H Keller, E Koller, O Fischer, VK Malik, C Bernhard, M Dobieli  
**Physical Review B** **85**, 024505 (2012)
- 82) **Absolute value and temperature dependence of the magnetic penetration depth in  $\text{Ba}(\text{Co}_{0.074}\text{Fe}_{0.926})_2\text{As}_2$**   
O Ofer, JC Baglo, MD Hossain, RF Kiefl, WN Hardy, A Thaler, H Kim, MA Tanatar, PC Canfield, R Prozorov, GM Luke, E Morenzoni, H Saadaoui, A Suter, T Prokscha, BM Wojek, Z Salman  
**Physical Review B** **85**, 060506 (2012)
- 81) **Superconductivity in  $\text{La}_{1.56}\text{Sr}_{0.44}\text{CuO}_4/\text{La}_2\text{CuO}_4$  Superlattices**  
A Suter, E Morenzoni, T Prokscha, H Luetkens, BM Wojek, G Logvenov, A Gozar, I Bozovic  
**Physics Procedia** **30**, 271 (2012)
- 80) **Design and Simulation of a Spin Rotator for Longitudinal Field Measurements in the Low Energy Muons Spectrometer**  
Z Salman, T Prokscha, P Keller, E Morenzoni, H Saadaoui, K Sedlak, T Shiroka, S Sidorov, A Suter, V Vrankovic, HP Weber  
**Physics Procedia** **30**, 55 (2012)
- 79) **Depth-dependent Spin Dynamics in  $\text{TbMnO}_3$  Thin Films Measured by Low Energy Muon Spin Relaxation**  
M Bator, YI Hu, H Luetkens, CH Niedermayer, T Prokscha, A Suter, Z Salman, M Kenzelmann, CH Schneider, T Lippert  
**Physics Procedia** **30**, 137 (2012)
- 78) **Zero-field Spin Depolarization of Low-Energy Muons in Ferromagnetic Nickel and Silver Metal**  
H Saadaoui, Z Salman, T Prokscha, A Suter, BM Wojek, E Morenzoni  
**Physics Procedia** **30**, 164 (2012)
- 77) **Low-energy  $\mu\text{SR}$  Investigations of Photo-induced Effects on a nm Scale** T Prokscha, KH Chow, H Luetkens, E Morenzoni, G Nieuwenhuys, Z Salman, R Scheuermann, A Suter, HP Weber  
**Physics Procedia** **30**, 219 (2012)
- 76) **Monte-Carlo Simulation of Transitions between Different Muonium States**  
T Prokscha  
**Physics Procedia** **30**, 50 (2012)
- 75) **Absolute Value and Anisotropy of the Magnetic Penetration Depth in  $\text{YBa}_2\text{Cu}_3\text{O}_{6.92}$**   
MD Hossain, JC Baglo, BM Wojek, O Ofer, SR Dunsiger, GD Morris, T Prokscha, H Saadaoui, Z Salman, DA Bonn, R Liang, WN Hardy, A Suter, E Morenzoni, RF Kiefl  
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