

List of Publications of Thomas Prokscha, as of June 2022:

Author and Co-author of 23 articles in Nature journals (Nature, Nat. Phys., Nat. Mat., Nat. Comm., Sci. Rep.), Science journals, and ACS Nano, and of 22 articles in Physical Review Letters/Physical Review X, 1 Book Chapter, 1 Review Article

Published

- 180) **Characterization of the Interfacial Defect Layer in Chalcopyrite Solar Cells by Depth-Resolved Muon Spin Spectroscopy**
Alberto HV, Vilao RC, Ribeiro EFM, Gil, JM, Curado MA, Teixeira JP, Fernando PA, Cunha MVC, Salomé PMP, Edoff M, Martins MI, Prokscha T, Salman Z, Weidinger A
Advanced Materials Interfaces, 2200374 (2022), 10.1002/admi.202200374
- 179) **Depth-Resolved Study of the SiO₂-SiC Interface Using Low-Energy Muon Spin Rotation Spectroscopy**
Kumar P, Martins MI, Bathen ME, Woerle J, Prokscha T, Grossner U
Materials Science Forum **1062**, 315 (2022).
- 178) **Simulation studies for upgrading a high-intensity surface muon beamline at Paul Scherrer Institute**
Zhou LP, Ni XJ, Salman Z, Suter A, Tang JY, Vrankovic V, Prokscha T
Physical Review AB **25**, 051601 (2022).
- 177) **Characterization of a Continuous Muon Source for the Non-Destructive and Depth-Selective Elemental Composition Analysis by Muon Induced X- and Gamma-rays**
Biswas S, Gerchow L, Luetkens H, Prokscha T, Antognini A, Berger N, Coccolios TE, Dressler R, Indelicato P, Jungmann K, Kirch K, Knecht A, Papa A, Pohl R, Pospelov M, Rapisarda E, Reiter Peter, Ritjoho N, Rocci S, Severijns N, Skawran A, Vogiatzi SM, Wauters F, Willmann L, Amato A
Applied Sciences **12**, 2541 (2022).
- 176) **Muon Spin Spectroscopy**
Hillier AD, Blundell SJ, McKenzie I, Umegaki I, Shu L, Wright JA, Prokscha T, Bert F, Shimomura K, Berlie A, Alberto H, Watanabe I
Nature Reviews Methods Primer **2**, 4 (2022).
- 175) **Low energy μ SR**
Prokscha T, Salman Z, Suter A
In: Muon Spectroscopy – An Introduction
Blundell SJ, De Renzi R, Lancaster T, Pratt, FL, Editors
Oxford University Press, Oxford (2022).
- 174) **Precision Measurement of the Lamb Shift in Muonium**
Ohayon B, Janka G, Cortinovis I, Burkley Z, de Sousa Borges L, Depero E, Golovizin A, Ni X, Salman Z, Suter A, Vigo C, Prokscha T, Crivelli P
Physical Review Letters **128**, 011802 (2022).
- 173) **Unconventional Meissner screening induced by chiral molecules in a conventional superconductor**
Alpern H, Amundsen M, Hartmann R, Sukenik N, Spuri A, Yochelis S, Prokscha T,

- Gutkin V, Anahory Y, Scheer E, Linder J, Salman Z, Millo O, Paltiel Y, Di Bernardo A
Physical Review Materials 5, 114801 (2021).
- 172) **Unveiling unconventional magnetism at the surface of Sr₂RuO₄**
Fittipaldi R, Hartmann R, Mercaldo MT, Komori S, Bjorlig A, Kyung W, Yasui Y, Miyoshi T, Olde Olthof LAB, Palomares Garcia CM, Granata V, Keren I, Higemoto W, Suter A, Prokscha T, Romano A, Noce C, Kim, C, Maeno Y, Scheer E, Kalisky B, Robinson JWA, Cuoco M, Salman Z, Vecchione A, Di Bernardo A
Nature Communications 12, 5792 (2021).
- 171) **Meissner screening as a probe for inverse superconductor-ferromagnet proximity effects**
Flokstra MG, Stewart R, Satchell N, Burnell G, Luetkens H, Prokscha T, Suter A, Morenzoni E, Lee SL
Physical Review B 104, L060506 (2021).
- 170) **Observation of a molecular muonium polaron and its application to probing magnetic and electronic states**
Rogers M, Prokscha T, Teobaldi G, Liborio L, Sturniolo S, Poli E, Jochym D, Stewart R, Flokstra M, Lee S, Ali M, Hickey BJ, Moorsom T, Cespedes O
Physical Review B 104, 064428 (2021).
- 169) **Structural properties and anion dynamics of yttrium dihydrides and photochromic oxyhydride thin films examined by in situ μ^+ SR**
Chaykina D, de Krom T, Colombi G, Schreuders H, Suter A, Prokscha T, Dam B, Eijt S
Physical Review B 103, 224106 (2021).
- 168) **Magnetic order of tetragonal CuO ultrathin films**
Ortiz Hernandez N, Salman Z, Prokscha T, Suter A, Mardegan JRL, Moser S, Zakharova A, Piamonteze C, Staub U
Physical Review B 103, 224429 (2021).
- 167) **Sulfur-induced magnetism in FeSe_{1-x}S_x thin films on LaAlO₃**
Nabeshina F, Kawai Y, Shikama N, Sakishita Y, Suter A, Prokscha T, Park SE, Komiya S, Ichinose A, Adachi T, Maesa A
Physical Review B 103, 184504 (2021).
- 166) **Spin-singlet to triplet Cooper pair converter interface**
Rogers M, Walton A, Flokstra MG, Al Ma'Mari F, Stewart R, Lee SL, Prokscha T, Caruana AJ, Kinane CJ, Langridge S, Bradshaw H, Moorsom T, Ali M, Burnell G, Hickey BJ, Cespedes O
Communication Physics 4, 69 (2021).
- 165) **Strain tuning of interorbital correlations in LaVO₃ thin films**
Meley H, Tran M, Teyssier J, Krieger JA, Prokscha T, Suter A, Salman Z, Viret M, van der Marel D, Gariglio S
Physical Review B 103, 125112 (2021).
- 164) **Muon Interaction with Negative-U and High-Spin-State Defects: Differentiating Between C and Si Vacancies in 4H-SiC**
Woerle J, Bathen ME, Prokscha T, Galeckas A, Ayedh HM, Vines L, Grossner U
Physical Review Applied 14, 054053 (2020).
- 163) **Front passivation of Cu(In,Ga)Se₂ solar cells using Al₂O₃: Culprits and benefits**
Curado AM, Teixeira JP, Monteiro M, Ribeiro EFM, Vilão RC, Alberto HV, Cunha JMV,

- Lopes TS, Oliveira K, Donzel-Gargand O, Hultqvist A, Calderon S, Barreiros MA, Chiappim W, Leitão JP, Silva AG, Prokscha T, Vinhais C, Fernandes PA, Salomé, PMP **Applied Materials Today** **21**, 100867 (2020).
- 162) **Intense beam of metastable Muonium**
Janka G, Ohayon B, Burkley Z, Gerchow L, Kuroda N, Ni, X, Nishi R, Salman Z, Suter A, Tuzi M, Vigo C, Prokscha T, Crivelli P
The European Physical Journal C **80**, 804 (2020).
- 161) **Low-Energy Muons as a Tool for a Depth-Resolved Analysis of the SiO₂/4H-SiC Interface**
Woerle J, Prokscha T, Grossner U
Materials Science Forum **1004**, 581 (2020).
- 160) **Direct Observation of Hole Carrier-Density Profiles and Their Light-Induced Manipulation at the Surface of Ge**
Prokscha T, Chow KH, Salman Z, Stilp E, Suter A
Physical Review Applied **14**, 014098 (2020).
- 159) **Experimental Study of the Magnetic Field Distribution and Shape of Domains Near the Surface of a Type-I Superconductor in the Intermediate State**
Kozhevnikov V, Suter A, Prokscha T, Van Haesendonck C
Journal of Superconductivity and Novel Magnetism (2020).
<https://doi.org/10.1007/s10948-020-05576-1>
- 158) **Proximity-Induced Odd-Frequency Superconductivity in a Topological Insulator**
Krieger JA, Pertsova A, Giblin SR, Döbeli M, Prokscha T, Schneider CW, Suter A, Hesjedal T, Balatsky AV, Salman Z
Physical Review Letters **125**, 026802 (2020)
- 157) **CdS versus ZnSnO buffer layers for a CIGS solar cell: a depth-resolved analysis using the muon probe**
Ribeiro E, Alberto HV, Vilão RC, Gil JM, Weidinger A, Salomé PMP, Prokscha T, Suter A, Salman Z
EPJ Web of Conferences **233**, 05004 (2020)
- 156) **Reversible spin storage in metal oxide—fullerene heterojunctions**
Moorsoom T, Rogers M, Scivetti I, Bandaru S, Toebaldi G, Valvidares M, Flokstra M, Lee S, Stewart R, Prokscha T, Gargiani P, Alosaimi N, Stefanou G, Ali M, Al Ma'Mari F, Burnell G, Hickey BJ, Cespedes O
Science Advances **6**, eaax1085 (2020)
- 155) **Muon implantation experiments in thin films: Obtaining depth-resolved information**
Simões, AFA, Alberto HV, Vilão RC, Gil JM, Cunha JMV, Curado MA, Salomé PMP, Prokscha T, Suter A, Salman Z
Review of Scientific Instruments **91**, 023906 (2020)
- 154) **Kubo spins in nanoscale aluminum grains: A muon spin relaxation study**
Bachar N, Levy A, Prokscha T, Suter A, Morenzoni E, Salman Z, Deutscher G
Physical Review B **101**, 024424 (2020)
- 153) **Intertwined magnetic, structural, and electronic transitions in V₂O₃**
Kalcheim Y, Frandsen BA, Valmianski I, McLeod AS, Guguchia Z, Cheung SC, Hallas AM, Wilson MN, Cai Y, Luke GM, Salman Z, Suter A, Prokscha T, Murakami T,

- Kageyama H, Basov DN, Schuller IK, Uemura YJ
Physical Review B **100**, 235136 (2019)
- 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 Nb₃Sn 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_{1-x}Ba_xMnO₃ 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/Bi₂Se₃ 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 In₂O₃-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, Hohenstein 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 SrTiO₃**
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 SnO₂ 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 LiTi₂O₄**
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^{1/2}Mn^{3/2}]O₄ Powder and Film Studied with uSR**
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 SmTiO₃/SrTiO₃ 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 d₀-Magnetism in Amorphous MB₆ (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)MnO₃**
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 Bi₂Se₃ 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 La₂CuO₄**
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_{1.84}Sr_{0.16}CuO₄ 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)MnO₃ 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, Pfeleiderer 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_{0.6}Ba_{0.4}MnO₃ 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 SmB₆**
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 LuMnO₃ 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:TiO₂**
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 μ 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 Sendetskiy, 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 LiTi_2O_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 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 μ 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 SrTiO₃**
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 YBa₂Cu₃O_{6+x} 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
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