

Journal Publications

July 2015: *Enhancement of low-frequency fluctuations and superconductivity breakdown in Mn-doped $La_{1-y}Y_yFeAsO_{0.89}F_{0.11}$ superconductors.*

F. Hammerath, M. Moroni, L. Bossoni, S. Sanna, R. Kappenberger, S. Wurmehl, A. U. B. Wolter, M. A. Afrassa, Y. Kobayashi, M. Sato, B. Büchner, and P. Carretta, Phys. Rev. B **93**, 224517.

June 2016: *Persistence of slow fluctuations in the overdoped regime of $Ba(Fe_{1-x}Rh_x)_2As_2$ superconductor.*

L. Bossoni, M. Moroni, M. H. Julien, H. Mayaffre, P. C. Canfield, A. Reyes, W. P. Halperin, and P. Carretta, Phys. Rev. B **92**, 020505.

August 2016: *Competing effects of Mn and Y doping on the low-energy excitations and phase diagram of $La_{1-y}Y_yFe_{1-x}Mn_xAsO_{0.89}F_{0.11}$ iron-based superconductors.*

M. Moroni, S. Sanna, G. Lamura, T. Shiroka, R. De Renzi, R. Kappenberger, S. Wurmehl, A.U.B. Wolter, M.A. Afrassa, B. Büchner, P. Carretta, Phys. Rev. B **94**, 054508.

November 2016: *Superconductivity Emerging from an Electronic Phase Separation in the Charge Ordered Phase of $RbFe_2As_2$.*

E. Civardi, M. Moroni, M. Babij, Z. Bukowski, and P. Carretta, Phys. Rev. Lett. **117**, 217001

December 2016: *Role of magnetic dopants in the phase diagram of Sm 1111 pnictides: The case of Mn*

G. Lamura, T. Shiroka, S. Bordignon, S. Sanna, M. Moroni, R. De Renzi, P. Carretta, P. K. Biswas, F. Caglieris, M. Putti, S. Wurmehl, S. J. Singh, J. Shimoyama, M. N. Gastiasoro, and B. M. Andersen, Phys. Rev. B **94**, 214517.

Journal Papers in Review

December 2016: *Fast recovery of the stripe magnetic order by Mn/Fe substitution in F-doped $LaFeAsO$ superconductors*

M. Moroni, P. Carretta, G. Allodi, R. De Renzi, M. N. Gastiasoro, B. M. Andersen, P. Materne, H.-H. Klauss, Y. Kobayashi, M. Sato, S. Sanna, arXiv:1612.00610, submitted to Physical Review Letters.
