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T.Klein, A.Grockowiak, J.Bousquet, E.Bustarret, F.Chiodi, C.Marcenat
International Workshop on Strongly Disordered Superconductors (Autrans 2014).
- 27- Thermodynamic phase diagram of underdoped ortho-II YBaCuO in high fields
C.Marcenat, T.Klein, A.Demuer
International Conference on Research in High Magnetic Fields (Grenoble 2015).

- 28- Toward all-Silicon Superconducting Electronics
C.Marcenat, F. Lefloch, T. Klein, B. Sacépé, S. Ono
Quantum Engineering Science and Technologies Symposium (Singapore 2016).
- 29- Thermodynamic properties of the normal state of high- T_c superconductors
T.Klein, C.Marcenat, L.Taillefer
International Conference on Strongly Correlated Electronic Systems (Okayama 2019).
- 30- AC calorimetry under extreme conditions: application to high- T_c superconductors
C.Marcenat and T.Klein
The Seventy Fourth Calorimetry Conference (Santa Fe 2019).

Autres conférences internationales

- 1- Anomalous Transport and Magnetic Properties of icosahedral single grains
T.Klein, C.Berger, F.Cyrot-Lackmann, Y.Calvayrac, G.Fillion, *Physica B*, 165, 285 (1990)
19th International Conference on Low Temperature Physics (Brighton 1990).
- 2- High magnetic field measurements in AlCuFe quasicrystals
H.Rakoto, T.Klein, G.Fourcaudot, F.Cyrot-Lackmann, *Physica B*, 177, 516 (1992)
Research in High Magnetic Field Symposium (Amsterdam 1991).
- 3- Transport and thermodynamic properties near a metal-insulator transition
T.Klein, C.Berger *et al.*, *Journal of Non Crystalline Solids*, 153-154, 635 (1993)
4th International Conference on Quasicrystals (Saint Louis 1992).
- 4- Electronic properties and the role of d-states in quasicrystals
D.Mayou [...] T.Klein, *Journal of Non Crystalline Solids*, 153-154, 412 (1993)
4th International Conference on Quasicrystals (Saint Louis 1992).
- 5- Atomic dynamics of icosahedral and tetragonal phases a comparative study
T.Klein, G.Pares, J.B.Suck, *Journal of Non Crystalline Solids*, 153-154, 562 (1993)
4th International Conference on Quasicrystals (Saint Louis 1992).
- 6- Electronic properties of quasicrystals: towards a semiconducting quasicrystal
T.Klein, C.Berger *et al.*, *Journal of Non Crystalline Solids*, 156-158, 901 (1993)
8th International Conference on Liquids and Amorphous Metals (Wien 1992).
- 7- Pinning and vortex dynamics in in (K,Ba)BiO₃ single crystals
T.Klein, L.Baril, C.Escribe-Filippini, *J. of Low Temperature Physics*, 105, 1067 (1996)
International Conference on Molecular and Oxyde Superconductors (Karlsruhe 1996).
- 8- Andreev reflection on the Ag-BaPbBiO₃ microconstrictions
P.Szabo, P.Samuely [...] T.Klein, *Journal of Low Temperature Physics*, 106, 314 (1997)
Weak Superconductivity Symposium (Smolevice 1996).
- 9- Fishtail and flux creep phenomena in the (K,Ba)BiO₃ superconductor
T.Klein, W.Harneit, L.Baril, J.Marcus, C.Escribe-Filippini, *Physica C*, 282, 220 (1997)
5th International Conference on High T_c Superconductivity (Beijing 1997).
- 10- Upper critical field in the (Ba,K)BiO₃ superconductor
P.Samuely, P.Szabo, T.Klein, J.Marcus, C.Escribe-Filippini, *Physica C*, 282, 2049 (1997)
5th International Conference on High T_c Superconductivity (Beijing 1997).

- 11- Vortex-Glass transition and Fishtail Effect in (Ba,K)BiO₃
I.Joumard, T.Klein, P.Samuely, P.Szabo, H.Rakoto *et al.*, Physica C, 317-318, 436 (1999)
1st Euroconference on Anomalous Complex Superconductors (Crete 1998).
- 12- Small Angle Neutron Scattering and magnetization measurements
T.Klein, I.Joumard, J.Marcus, R.Cubitt, Journal of Low Temp. Physics, 117, 1353 (1999)
International Conference on Molecular and Oxide Superconductors (Stockholm 1999).
- 13- Multiterminal measurements of vortex correlations in (K,Ba)BiO₃
A.Rydh, T.Klein, I.Joumard, O.Rapp, Physica C, 341-348, 1233 (2000)
6th International Conference on High T_c Superconductivity (Houston 2000).
- 14- Reversible Magnetization in the (K,Ba)BiO₃ Superconductor
I.Joumard, T.Klein, A.Conde-Gallardo, A.Sulpice, Physica C, 341-348, 1067 (2000)
6th International Conference on High T_c Superconductivity (Houston 2000).
- 15- Neutron Diffraction Near the Entanglement Transition in (K,Ba)BiO₃
I.Joumard, T.Klein, J.Marcus, R.Cubitt, Physica C, 341-348, 2131 (2000)
6th International Conference on High T_c Superconductivity (Houston 2000).
- 16- Thermodynamic phase diagram of (K,Ba)BiO₃
S.Blanchard, C.Marcenat, J.Marcus, T.Klein, Physica C, 369, 193 (2002)
Vortices at Extreme Scales & Conditions (Crete 2001).
- 17- The upper critical field and transport in MgB₂
P.Szabo, P.Samuely, A.G.M.Jansen, T.Klein *et al.*, Physica C, 369, 250 (2002)
Vortices at Extreme Scales & Conditions (Crete 2001).
- 18- Transport in MgB₂ in high magnetic fields
P.Szabo, P.Samuely, T.Klein *et al.*, Int. Journal of Modern Physics B, 16, 3222 (2002)
Physical Phenomena at High Magnetic Fields IV (Santa Fe 2001).
- 19- Vortex glass transition versus irreversibility line in superconducting (K,Ba)BiO₃
P.Szabo, J.Kačmarčík, T.Klein *et al.*, Int. Journal of Modern Physics B, 16, 3221 (2002)
Physical Phenomena at High Magnetic Fields IV (Santa Fe 2001).
- 20- Andreev Reflexion study in MgB₂
P.Szabo [...] T.Klein *et al.*, Superconducting Science and Technology, 16, 162 (2003)
International Workshop on Superconductivity in Magnesium Diboride (Genova 2002).
- 21- Upper critical field in single crystal MgB₂
L.Lyard [...] T.Klein *et al.*, Superconducting Science and Technology, 16, 193 (2003)
International Workshop on Superconductivity in Magnesium Diboride (Genova 2002).
- 22- Point Contact Spectroscopy of MgB₂ in high Magnetic fields
P.Szabo, P.Samuely, J.Kačmarčík, T.Klein *et al.*, Physica C, 388, 145 (2003)
23rd International Conference on Low Temperature Physics (Hiroshima 2002)
- 23- Irradiation-induced changes in the vortex phase diagram of YBaCuO
L.Paulius, C.Marcenat, W.Kwok, T.Klein, G.Crabtree, Physica B, 329, 1344 (2003)
23rd International Conference on Low temperature Physics (Hiroshima 2002).
- 24- Superconducting phase diagram of single crystal MgB₂
U.Welp, A.Rydh, G.Karapetrov, [...] T.Klein *et al.*, Physica C, 387, 137 (2003)
US Workshop on Superconductivity and Magnetism of Advanced Mat. (Ladec 2002).

- 25- Andreev reflection spectroscopy of MgB₂ in the vortex state
P.Samuely, P.Szabo, J.Kačmarčík, T.Klein, *Physica C*, 404, 460 (2004)
Vortex Matter at Extreme Scales & Conditions (Crete 2003).
- 26- Anomalous field dependence of the Sommerfeld coefficient in (K,Ba)BiO₃
T.Klein, C.Marcenat, F.Bouquet, A.Junot, J.Marcus, *Physica C*, 408, 731 (2004)
7th International Conference on High T_c Superconductivity (Rio de Janeiro 2003).
- 27- Linear and non-linear AC response of the vortex matter in MgB₂ single crystals
L.Lybard, T.Klein, J.Marcus, C.Marcenat, K.H.P.Kim, S.I.Lee, *Physica C*, 408, 93 (2004)
7th International Conference on High T_c Superconductivity (Rio de Janeiro 2003).
- 28- Magnetic profiles in magnesium diboride single crystals
L.Lybard, T.Klein, J.Marcus, C.Marcenat, *Czechoslovak Journal of Physics*, 54, D431 (2004)
12th Czech and Slovak conference on magnetism (Kosice 2004).
- 29- Superconductivity in boron doped homoepitaxial (100)- orientated diamond films
J.Kačmarčík [...] T.Klein, *Physica Status Solidi A, Materials Sciences*, 202(11), 2160 (2005)
10th International Conference on Surface and Bulk Defects in Diamond (Hasselt 2004).
- 30- Influence of Al Doping on the critical fields in MgB₂
T.Klein, C.Marcenat, L.Lybard *et al.*, *AIP Conference Proceedings Series*, 850, 595 (2006)
24th International Conference on Low Temperature Physics (Orlando 2005).
- 31- Influence of Al doping on the gap values in MgB₂ single crystals
T.Klein, Z.Pribulová, C.Marcenat, L.Lybard *et al.*, *Physica C*, 460, 562 (2007)
8th Int. Conference on Material and Mechanisms of Superconductivity (Dresden 2006).
- 32- AC micro calorimetry of superconducting MgCNi₃ single crystals
J.Kačmarčík, Z.Pribulová [...] T.Klein *et al.*, *Acta Physica Polonica*, 113, 363 (2008)
13th Czech and Slovak Conference on Magnetism (Kosice 2007).
- 33- Superconductivity in heavily boron-doped single crystalline diamond thin films
P.Achatz, C.Marcenat, E.Bustarret, T.Klein *et al.*
March Meeting of the American Physical Society (New Orleans 2008).
- 34- Superconductivity in MgCNi₃. Tunneling and heat capacity on crystals
P.Samuely, Z.Pribulová, J.Kačmarčík, P.Szabo, C.Marcenat, T.Klein *et al.*
March Meeting of the American Physical Society (New Orleans 2008).
- 35- Superconducting energy gap in MgCNi₃ single crystals
J.Kačmarčík [...] T.Klein *et al.*, *Journal of Physics and Chemistry of Solids*, 69, 3011 (2008)
Spectroscopies in Novel Superconductors (Sendai 2007).
- 36- Hall probe magnetization and specific heat measurements in NdFeAs(O,F) crystals
T.Klein, Z.Pribulová, J.Kačmarčík, C.Marcenat *et al.*
1st Int. Conference on FeAs Supercond. Multilayers and Related Phenomena (Rome 2008).
- 37- Specific heat of superconducting MgCNi₃ single crystals
J.Kačmarčík [...] T.Klein, and S.I.Lee, *Journal of Physics – Conf. Series*, 150, 052087 (2009)
25th International Conference on Low Temperature Physics (Amsterdam 2008).
- 38- Studies on two gap superconductivity in 2H-NbS₂
J.Kačmarčík, C.Marcenat, T.Klein, P.Rodière, P.Samuely, *Physica C*, 470, S719 (2010)
9th Int. Conference on Materials and Mechanisms of Superconductivity (Tokyo 2009).

- 39- Two gap superconductivity in 2H-NbS₂
Z.Pribulová, M.Leroux [...] T.Klein *et al.*, Acta Physica Polonica A, 118, 1024 (2010)
14th Czech and Slovak Conference on Magnetism (Kosice 2010).
- 40- The superconducting transition in boron doped silicon films
T.Kociniewski [...] T.Klein, C.Marcenat, Acta Physica Polonica A, 118, 1026 (2010)
14th Czech and Slovak Conference on Magnetism, (Kosice 2010).
- 41- Anisotropy of the critical fields in 2H-NbS₂
M.Leroux, P.Rodière, T.Klein, Physica B, 407, 1813 (2012)
International School and Workshop on Electronic Crystals (Cargèse 2011).
- 42- Soft Phonon mode and superconducting properties of 2H-NbSe₂
M.Leroux, P.Diener, T.Klein, M.Le Tacon *et al.*
Strongly correlated Electronic Systems Conference (Cambridge 2011).
- 43- Thermodynamic upper critical field of FeTe_{0.5}Se_{0.5} single crystals up to 28T
D.Braithwaite, A.Demuer, T.Klein, W.Knafo, G.Lapertot, C.Marcenat *et al.*
Strongly Correlated Electron Systems Conference (Cambridge 2011).
- 44- Thermodynamic and Magnetic Properties of Single Crystals of Ba(Fe,Ni)₂As₂
P.Rodière, T.Klein, L.Lumberger, C.Marcenat, Z-S.Wang, K.Hasselbach *et al.*
International Conference on Superconductivity and Magnetism (Istanbul 2012).
- 45- Superconductivity in thin diamond films: dimensionality vs disorder effects
J.Bousquet, T.Klein, C.Marcenat, A.Fiori, G.Chicot, J.Pernot, E.Bustarret
Fall Meeting of Materials Research Society (Boston 2012).
- 46- Physical properties of heavily boron doped silicon
A.Grockowiak, C.Marcenat, T.Klein, G.Prudon, T.Kociniewski, D.Debarre
March Meeting of the American Physical Society (Boston 2012).
- 47- H-T Phase Diagram and Vortex Creep in Fe(Se,Te) Single Crystals
T.Klein, C.Marcenat, H.Cercellier, A.Demuer, P.Toulemonde
Gordon Conference on Superconductivity (Les Diablerets, 2013).
- 48- Superconductivity in the misfit compound of (LaSe)_{1.14}(NbSe₂)
P.Samuely, P.Szabo, J.Kacmarcik, Z.Pribulova, [...] T.Klein, L.Cario
March Meeting of the American Physical Society (Baltimore 2013).
- 49- Local Magnetometry of CuTiSe₂
Z.Pribulova, Z.Medvecka, T.Klein *et al.*, Acta Physica Polonica A, 126, 370 (2014).
15th Czech and Slovak Conference on Magnetism (Kosice 2013).
- 50- Gas Immersion Laser Doping for superconducting nanodevices
F.Chiodi, A.Grockowiak, T.Klein *et al.*, Applied Surface Sciences, 302, 209 (2014)
Conference of the European Material Research Society (Varsovie 2013).
- 51- Thermodynamic phase diagram of ortho-II YBaCuO in high magnetic fields
C.Marcenat, T.Klein, A.Demuer, K.Beauvois, A.Grockowiak *et al.*
International Conference on Strongly Correlated Electron Systems (Grenoble 2014).
- 52- Non-equilibrium conductance oscillations in PCS of Ni doped 122 pnictides
H.Cercellier, H.Grasland, H.-Q.Luo, H.-H.Wen, K.Hasselbach, T. Klein
International Conference on Strongly Correlated Electron Systems (Grenoble 2014).

- 53- Thermodynamic phase diagram in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6.54}$ single crystals
T.Klein, C. Marcenat and A. Demuer
11st Int. Conference on Materials and Mechanisms of Superconductivity (Genève 2015).
- 54- High-field specific heat of YBCO in the CDW phase
B. Michon, T. Klein and C. Marcenat
Spectroscopies in Novel Superconductors (Ludwigsburg 2016).
- 55- Dynamically current-driven de Gennes–Saint James states in NS junctions
H. Cercellier, H. Grasland and T. Klein
Spectroscopies in Novel Superconductors (Ludwigsburg 2016).
- 56- Interplay between Superconductivity and Charge Density Waves in Cu-TiSe₂
Z Medvecká, Z Pribulová, P Szabó, J Kačmarčík, T Klein *et al.*
Superstripes (Ischia, 2016).
- 57- Thermodynamic signature of quantum criticality in cuprates
B. Michon, C. Girod, S. Badoux, J. Kačmarčík [...] C. Marcenat, L. Taillefer, T. Klein
International Conference on Strongly Correlated Electron Systems (Prague 2017).
- 58- The subgap KID, on-chip spectroscopy at centrimetric wavelengths
A. Monfardini, O. Dupre, [...] T. Klein, L. Le Calvez, B. Sacepe, F. Levy-Bertrand, A. Gomez
17th International Workshop on Low Temperature Detectors (Fukuoka 2017).
- 59- Tunable sub-gap radiation detection with superconducting resonators
O. Dupré, A. Benoît, [...] T. Klein, K. Le Calvez, B. Sacépé, A. Monfardini, F. Levy-Bertrand
28th International Conference on Low Temperature Physics (Goteborg 2017).
- 60- Thermodynamic signature of quantum criticality in cuprates
B. Michon, C. Girod, S. Badoux, J. Kačmarčík [...] C. Marcenat, L. Taillefer, T. Klein
28th International Conference on Low Temperature Physics (Goteborg 2017).
- 61- The sub-gap KID (SKID): on-chip spectroscopy at centimetric wavelengths
A Monfardini, O Dupre, A Benoit, [...] T Klein *et al.*
17th International Workshop on Low Temperature Detectors (Fukuoka, 2017)
- 62- Thermodynamic signature of quantum criticality in cuprates
B. Michon, C. Girod, S. Badoux, J. Kačmarčík [...] C. Marcenat, L. Taillefer, T. Klein
12th Int. Conference on Materials and Mechanisms of Superconductivity (Beijing 2018).
- 63- Interplay between superconductivity and charge order in YBaCuO
T. Klein, I. Vinograd, B. Michon, M-H. Julien, L. Taillefer, C. Marcenat
Gordon Conference on Superconductivity (Les Diablerets, 2019).
- 64- Quantum Critical Point in the Pseudogap Phase of High T_c Cuprates Superconductors
C. Girod, B. Michon, C. Marcenat, L. Taillefer, T. Klein
Gordon Conference on Superconductivity (Les Diablerets, 2019).
- 65- Vortex lattice melting in FeSe
L. Doussoulin, F. Hardy, C. Meingast, C. Marcenat, T. Klein
Gordon Conference on Superconductivity (Les Diablerets, 2019).
- 66- Influence of the quasiparticle spectral weight on the superconducting properties of FeSe
H. Cercellier, P. Rodière, C. Marcenat, T. Klein
Gordon Conference on Superconductivity (Les Diablerets, 2019).

67-Thermodynamic evidence of quantum criticality at the pseudogap critical point of cuprates
C.Girod, B. Michon, [...], C. Marcenat, L. Taillefer, T. Klein
March Meeting of the American Physical society (Denver, 2020, annulé pour raison sanitaire).

68-Entropy near the magnetization plateau of $\text{SrCu}_2(\text{BO}_3)_2$
S. Imajo, T. Kihara, S. Nakamura, C. Marcenat, T. Klein, N. Matsuyama, and Y. Kohama
Int. Workshop on Quantum Magnets in Extreme Conditions (Tokyo 2021, visioconférence).