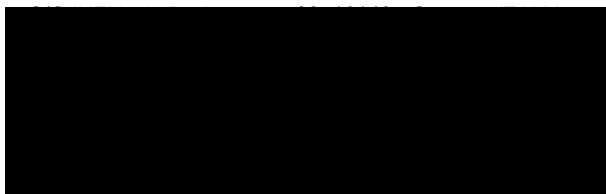


CURRICULUM VITAE

PERSONAL INFORMATION

Name
Address
Telephone
E-mail
Nationality
Date of birth

RICCARDO MUSENICH



WORK EXPERIENCE

Dates	1988-present
Name and address of employer	Istituto Nazionale di Fisica Nucleare (INFN)
Type of business or sector	Scientific and technologic research
Occupation or position held	Dirigente di ricerca (I level senior scientist), 2019-present Primo ricercatore (II level senior scientist), 2002-2019 Ricercatore (scientist), until 2002
Main activities and responsibilities	Research on superconducting materials for radiofrequency applications. Research on superconducting cables for high energy physics applications. R&D on joints between large superconducting cables. Development of a method to measure critical current of superconducting cables up to 100000 A. R&D for the CMS magnet at LHC (CERN). Deputy Project Leader for the manufacturing of the CMS magnet. Coordinator of the Technological Research Group of INFN-Ge. Responsible for the INFN research activity on MgB ₂ applications (P.I. of the projects Ma-Bo, MARIMBO and PUMA). Scientific and Technical manager of the EU-FP7 SR2S project (Space Radiation Superconducting Shields). Responsible of R&D on superconductive proton diverter for the Athena X-ray telescope (LAPUTA project). Responsible of the R&D on high temperature superconductive canted solenoid dipoles (BISCOTTO project). Responsible of a study on the effect of mechanical deformation on the transport properties of Nb ₃ Sn conductors (ABSTRACT project) Responsible of WP3 of the PNRR-IRIS project
Dates	1985-1988
Name and address of employer	Ansaldo Componenti
Type of business or sector	R&D on superconducting magnets
Occupation or position held	Technologist (permanent position)
Main activities and responsibilities	Cryogenic tests of superconducting magnets. Development of superconducting joints for MRI magnets. Responsible for the cryogenic tests of the HERA dipole magnets. Responsible of R&D activity on superconducting dipole magnets.

Dates	1984
Name and address of employer	Università degli studi di Genova
Type of business or sector	Scientific research
Main activities and responsibilities	Study of the interaction between hydrogen and silver surface

EDUCATION AND TRAINING

Dates	1977-1983
Name and type of organization providing education and training	Università degli studi di Genova
Title of qualification awarded	Doctor in Chemistry
Principal subjects/occupational skills covered	Specialized in solid state chemical-physics. Thesis about the interaction of hydrogen (n-H ₂ , p-H ₂ and D ₂) with silver surface studied by means of molecular beam scattering.

ADDITIONAL INFORMATION

Memberships	Member of INFN MAC (2020-present) Member of the Scientific National Board 5 (Technologic and Interdisciplinary Research) of INFN (1997-2003 and 2009-2016). Member of the International Organizing Committee of the <i>International Conference on Magnet Technology</i> (2005-present).
Collaboration with International Journals	Reviewer of <i>IEEE Transaction on Applied Superconductivity</i> , <i>Superconducting Science and Technology</i> , <i>Cryogenics</i> , <i>IEEE Transaction on Nuclear Science</i> . Technical editor of <i>IEEE Transaction on Applied Superconductivity</i> (2005-2013, 2017-2018).
Teaching	Professore a contratto di "Fisica e Tecnologia dei Magnet Superconduttori", corso della laurea magistrale in Fisica, Università degli studi di Genova (a.a. 2021-2022, 2022-2023). "Applied Cryogenics", course of the PhD school in Physics (curriculum in Applied Superconductivity), Università degli studi di Genova (a.a. 2018-19, 2020-21, 2021-22).
Publications	Author of more than 500 articles on peer reviewed international journals, 124 of which related to magnet technology and applied superconductivity.

List of publications related to magnet technology and applied superconductivity

1. Papers on peer reviewed journals

- (1.1) "Superconducting properties of B1 nitrides films obtained by gas metal reaction"
P.Fabbricatore, P.Fernandes, G.C.Gualco, R.Musenich, R.Parodi,
IEEE Trans Magn., 25, 1865-1867, 1989
- (1.2) "Self field effects in the critical current measurements of superconducting wires and cables"
P.Fabbricatore, R.Musenich, R.Parodi, S.Pepe, R.Vaccarone
Cryogenics, 29, 920-925, 1989
- (1.3) "Study of niobium nitrides for superconducting r.f. cavities"
P.Fabbricatore, P.Fernandes, G.C.Gualco, F.Merlo, R.Musenich, R.Parodi
Journal of Applied Physics, 66(12), 5944-5949, 1989
- (1.4) "Effect of the n-value and the field inhomogeneity on the quench current of superconducting cables"
P.Fabbricatore, R.Musenich, R.Parodi, R.Vaccarone
IEEE Trans. Magn., 26(6), 3046-3051, 1990
- (1.5) "Design and preliminary test of a superconducting current transformer to charge a prototype s.c. power transmission line"
P.Fabbricatore, R.Musenich, R.Parodi, G.Canepa, L.Ottonello, F.Vivaldi
Cryogenics, 30 Supplement, 804-807, 1990

- (1.6) "Rf surface resistance measurements of superconducting Y-Ba-Cu-O and Bi-Sr-Ca-Cu-O samples"
P.Fabbricatore, R.Musenich, R.Parodi, R.Scianca, B.Zhang
Cryogenics, 30 Supplement, 877-881, 1990
- (1.7) "Inductive method for critical current measurement of superconducting cables for high energy physics applications"
P.Fabbricatore, R.Musenich, R.Parodi
Nuclear Instruments and Method in Physics Research, A302, 27-35, 1991
- (1.8) "A simple digital system for ac magnetic measurements on superconductors"
P.Fabbricatore, U.Gambardella, F.Gömöry, R.Musenich, M.Occhetto, R.Parodi, P.Pompa
Rev.Sci. Instrum., 62 (7), 1796-1800, 1991
- (1.9) "Critical current of prototype conductors for LHC dipole magnets"
P.Fabbricatore, R.Musenich, R.Parodi, D.Truffelli, G.Zappavigna
IEEE Trans Mag., 27 (2), 1818-1821, 1991
- (1.10) "DC features and rf losses of Nb-based superconducting thin films"
D. Di Gioacchino, P.Fabbricatore, S.Frigerio, U.Gambardella, R.Musenich, R.Parodi, G.Paternò, S.Rizzo, C.Vaccarezza
IEEE Trans Mag., 27 (2), 1302-1305, 1991
- (1.11) "Multi-phase structure of thermally diffused niobium nitride"
P.Fabbricatore, R.Musenich, M.Occhetto, R.Parodi, P.Pompa
IEEE Trans Mag., 27 (2), 1291-1294, 1991
- (1.12) "Simple numerical model to interpret the ac magnetic measurements on type-II superconductors"
P.Fabbricatore, G.Gemme, R.Musenich, M.Occhetto and R.Parodi
Cryogenics, 32 (6), 559-568, 1992
- (1.13) "Electrical measurements up to 8 T on the cables for LHC dipole magnets"
P.Fabbricatore, R.Musenich, R.Parodi, S.Pepe, A.Menicatti, G.Zappavigna
IEEE Trans on Mag., 28 (1), 822-825, 1992
- (1.14) "Preparation and characterization of YBCO superconducting films deposited by electrophoresis"
B.Zhang, P.Fabbricatore, G.Gemme, R.Musenich, R.Parodi, L.Risso
Physica C, 193, 1-7, 1992
- (1.15) "Preparation and characterization of YBCO samples for microwave applications"
P.Fabbricatore, A.Gauzzi, G.Gemme, R.Musenich, R.Parodi, D.Romanengo, B.Zhang
Journal of Superconductivity, 5 (1), 55-65, 1992
- (1.16) "Observation of anomalous rf dissipation in thick films of superconducting $YBa_2Cu_3O_{7-x}$ "
P.Fabbricatore, G.Gemme, R.Musenich, R.Parodi, B.Zhang, P.Capobianco
Physica C, 203, 51-58, 1992
- (1.17) "Niobium and niobium-titanium nitrides for rf applications"
P.Fabbricatore, G.Gemme, R.Musenich, R.Parodi, M.Viviani, B.Zhang
IEEE Trans on Appl. Superconductivity, 3 (1), 1761-1764, 1993
- (1.18) "First measurement of a NbTi rf cavity"
P.Fabbricatore, G.Gemme, R.Musenich, R.Parodi, M.Viviani, B.Zhang
IEEE Trans on Appl. Superconductivity, 3 (1), 197-199, 1993
- (1.19) "Development and tests of electrical joints and terminations for a CICC Nb₃Sn, 12 T solenoid"
A.Bonito Oliva, P.Fabbricatore, A.Martini, R.Musenich, S.Patrone, R.Penco, N.Valle.
IEEE Trans on Appl. Superconductivity, 3 (1), 468-471, 1993
- (1.20) "Ac low frequency magnetic measurements of the proximity effect between fine filaments of superconducting NbTi wires"
P.Fabbricatore, G.Gemme, A.Menicatti, R.Musenich, R.Parodi, B.Zhang
J.Appl.Phys., 73 (4), 1993
- (1.21) "Ac magnetic measurements on superconductors using a 2-channel dynamic analyzer"
P.Fabbricatore, S.Farion, G.Gemme, R.Musenich, R.Parodi, B.Zhang
Cryogenics, 33 (12), 1170-1173, 1993
- (1.22) "Determination of the irreversibility line in Bi-2212 Ag sheathed wires"
P.Fabbricatore, G.Gemme, P.Moreschi, R.Musenich, R.Parodi, B.Zhang

Physica C, 213, 200-210, 1993

- (1.23) "AC magnetic susceptibility measurements to determine the superconducting parameters related to morphology and structure of Nb_{0.4}Ti_{0.45}Ta_{0.075}Zr_{0.075} tapes"
H.R.Khan, B.Zhang, P.Fabbricatore, G.Gemme, R.Musenich, R.Parodi
J. of Alloys and Compounds, 201, 239-243, 1993
- (1.24) "An experimental apparatus for the characterization of rf properties of superconducting samples near the transition temperature"
G.Gemme, P.Fabbricatore, R.Musenich, R.Parodi, T.Rossi, B.Zhang
Rev.Sci. Instrum., 65 (6), 2075-2081, 1994
- (1.25) "Growth of niobium nitrides by nitrogen-niobium reaction at high temperature"
R.Musenich, P.Fabbricatore, G.Gemme, R.Parodi, M.Viviani, B.Zhang, V.Buscaglia, C.Bottino
J. of Alloys and Compounds, 209, 319-328, 1994
- (1.26) "Effects of fluxon dynamics on higher harmonics of ac susceptibility in type II superconductors"
P.Fabbricatore, S.Farinon, G.Gemme, R.Musenich, R.Parodi, B.Zhang
Physical Review B, 50 (5), 3189-3199, 1994
- (1.27) "Fluxon dynamics and higher harmonics of ac susceptibility in HTSC"
P.Fabbricatore, S.Farinon, G.Gemme, R.Musenich, R.Parodi, B.Zhang
Il Nuovo Cimento, 16 D (10-11), 1917-1924, 1994
- (1.28) "Study of superconducting Nb coated 1.5 GHz accelerating cavity"
S.Rizzo, C.Gualco, Y.Shen, M.Viviani, F.Rosatelli, P.Fabbricatore, G.Gemme, R.Musenich, R.Parodi, B.Zhang
Cryogenics, 34 supplement, 765-768, 1994
- (1.29) "Development and test of Bi-2212/Ag coils"
M.Ariante, G.Baccaglioni, P.Fabbricatore, G.Gemme, A.Matrone, R.Musenich, R.Parodi, E.Petrillo, C.Priano, L.Rossi, A.Sciutti, B.Zhang
Cryogenics, 34 supplement, 809-812, 1994
- (1.30) "Critical current measurements of the cable for the superconducting dipole prototypes for the Large Hadron Collider"
G.Baccaglioni, P.Fabbricatore, R.Garré, R.Musenich, R.Parodi, L.Rossi, G.Volpini
IEEE Trans on Mag., 30 (4), 1827-1830, 1994
- (1.31) "Field inhomogeneity effect on the quench current of LHC dipole magnets"
P.Fabbricatore, R.Musenich, G.Gemme, R.Parodi, B.Zhang
IEEE Trans on Mag., 30 (4), 2336-2339, 1994
- (1.32) "Electrical properties of superconducting Bi-based silver sheathed wires and coils"
P.Fabbricatore, G.Gemme, P.Moreschi, R.Musenich, R.Parodi, B.Zhang, G.Baccaglioni, L.Rossi, P.Caracino, G.Vellego
IEEE Trans on Magn. 30 (4), 2332-2335, 1994
- (1.33) "Rf surface resistance measurements of binary and ternary niobium compounds"
G.Gemme, P.Fabbricatore, R.Musenich, R.Parodi, T.Rossi, M.Viviani, B.Zhang
J.Appl.Phys., 77 (1), 257-264, 1995
- (1.34) "Headway in cavity design through genetic algorithms"
A.Chincarini, P.Fabbricatore, G.Gemme, R.Musenich, R.Parodi
IEEE Trans. on Magn. 31 (3), 1566-1569, 1995
- (1.35) "Stability of Al-stabilized conductors for LHC detector magnets"
F.P.Juster, J.C.Lottin, L.Boldi, R.DeLorenzi, P.Fabbricatore, R.Musenich, D.E.Baynham, P.L.Sampson
IEEE Trans. on Appl. Superc., 5 (2), 377-380, 1995
- (1.36) "Preparation method and rf behaviour of Nb₃Sn thin films obtained by bronze process"
M.J.Durante, R.Musenich, R.Parodi, G.Gemme, P.Fabbricatore, B.Zhang, U.Gambardella, V.Boffa, C.Bottino, V.Buscaglia
IEEE Trans. on Appl. Superc., 5 (2), 837-840, 1995
- (1.37) "Superconducting magnets for detectors of large colliders"
P.Fabbricatore, R.Musenich
Nuclear Physics B, 44, 667-671, 1995
- (1.38) "Nitridation of niobium-46 wt.% titanium alloy in nitrogen at 1300°C"
R.Musenich, P.Fabbricatore, G.Gemme, R.Parodi, B.Zhang, P.Parodi, V.Buscaglia, C.Bottino
Journal of Alloys and Compounds, 226, 232-241, 1995

- (1.39) "Flux pinning in Bi-2212/Ag-based wires and coils"
P.Fabbricatore, C.Priano, A.Sciutti, G.Gemme, R.Musenich, R.Parodi, F.Gomory and J.R.Thompson
Physical Review B 54 (17), 12543-12550, 1996
- (1.40) "Critical current measurements on the cables for LHC detector magnets"
P.Fabbricatore, R.Musenich, R.Parodi, G.Gemme
IEEE Trans on Mag 32 (4), 2731-2734, 1996
- (1.41) "Conductor developments for the ATLAS and CMS magnets"
F.Kircher, H.Desportes, B.Gallet, J.C.Lottin, J.M.Rey, P.Regnier, P.Fabbricatore, R.Musenich
IEEE Trans on Magn. 32 (4), 2870-2873, 1996
- (1.42) "Stability of Al-stabilised conductors for high energy physics application"
P.Fabbricatore, L.Boldi, R.Musenich, R.Parodi, G.Gemme
IEEE Trans. on Appl. Superconductivity 7 (2), 633-637, 1997
- (1.43) "Field distribution effect on the performances of coils wound with Ag/Bi-2223 tape"
P.Fabbricatore, C.Priano, M.P.Testa, R.Musenich, P.Kovac, A.Matrone, E.Petrillo, M.Ariante
Superconductors Science and Technology, 11, 304-310, 1998
- (1.44) "Effect of pressure on the composition and superconducting T_c value of NbN prepared by combustion synthesis"
V.Buscaglia, F.Caracciolo, M.Ferretti, M.Minguzzi, R.Musenich
J. of Alloys and Compounds, 266, 201-206, 1998
- (1.45) "Developments of electrical joints for aluminum stabilized superconducting cables"
P.Fabbricatore, S.Farion, R.Musenich, C.Priano, B.Curé, I.Horvath
IEEE Trans on Appl.Superconductivity 9 (2), 197-200, 1999
- (1.46) "Status report on the CMS superconducting solenoid for LHC"
F.Kircher, B.Levesy, Y.Pabot, D.Campi, B.Curé, H.Hervé, I.Horvath, P.Fabbricatore, R.Musenich
IEEE Trans on Appl.Superconductivity 9 (2), 837-840, 1999
- (1.47) "Design and testing of the 1.5 T superconducting solenoid for the BaBar detector at PEP-II in SLAC"
T.G.O'Connor, S.Shen, P.Fabbricatore, S.Farion, R.Musenich, C.Priano, R.A.Bell, M.Berndt, W.Burgess, W.Craddock, L.Keller, O.Dormicchi, P.Moreschi, R.Penco, P.Valente, N.Valle
IEEE Trans on Appl.Superconductivity 9 (2), 847-851, 1999
- (1.48) "The BaBar superconducting coil: design, construction and test"
R.A.Bell, M.Berndt, W.Burgess, W.Craddock, O.Dormicchi, P.Fabbricatore, S.Farion, L.Keller, P.Moreschi, R.Musenich, T.G.O'Connor, R.Penco, C.Priano, S.Shen, P.Valente
Nuclear Physics B 78, 559-564, 1999
- (1.49) "High temperature nitridation of Nb-Ti alloys in nitrogen"
V.Buscaglia, A.Martinelli, R.Musenich, W.Mayr, W.Lengauer
J. of Alloys and Compounds, 283, 241-259, 1999
- (1.50) "Growth of ordered lamellar precipitates during nitridation of Nb-10 at.% Ti at 1300°C"
V.Buscaglia, A.Martinelli, C.Bottino, R.Musenich
J. of Alloys and Compounds, 283, 260-264, 1999
- (1.51) "The CMS conductor"
I.L. Horvath, B.Dardel, H.P.Marti, J.Neuenschwander, R.P.Smith, P.Fabbricatore, R.Musenich, A.Calvo, D.Campi, B.Curé, A.Desirelli, G.Favre, P.L.Riboni, S.Sgobba, T.Tardy, S.Sequeira Lopes Tavares
IEEE Trans on Appl.Superconductivity 10 (1), 395-398, 2000
- (1.52) "Final design of the CMS solenoid cold mass"
F.Kircher, P.Brédy, A.Calvo, B.Curé, D.Campi, A.Desirelli, P.Fabbricatore, S.Farion, A.Hervé, I. Horvath, V.Klioukhine, B.Levesy, M.Losasso, J.P.Lottin, R.Musenich, Y.Pabot, A.Payn, C.Pes, C.Priano, F.Rondeaux, S.Sgobba
IEEE Trans on Appl.Superconductivity 10 (1), 407-410, 2000
- (1.53) "Experimental study of CMS conductor stability"
P.Fabbricatore, S.Farion, F.P.Juster, R.Musenich, C.Priano
IEEE Trans on Appl.Superconductivity 10 (1), 424-427, 2000

- (1.54) "EPMA of spinodal-like decomposition pattern in (Ti_xNb_{1-x})N"
B.Wollein, V.Buscaglia, W.Lengauer, M.Bohn, R.Musenich, P.Ettmayer,
Surface and Interface Analysis, 30, 368-371, 2000
- (1.55) "Evolution of the ohmic voltage drop in connections of superconductors under time-varying current"
R.Musenich, S.Farinon, C.Priano, P.Fabbricatore
Cryogenics, 40, 45-52, 2000
- (1.56) "Pre-industrialization activities related to CMS coil winding"
Fabbricatore P, Farinon S, Musenich R, et al.
IEEE Trans on Appl.Superconductivity 11 (1), 1717-1720, 2001
- (1.57) "A volumized fiber-glass insulation for large superconducting magnets"
Musenich R, D'Urzo C, Fabbricatore P, et al.
IEEE Transactions on Applied Superconductivity, 12 (1), 1242-1243 2002
- (1.58) "A superconducting magnet for a beam delivery system for carbon ion cancer therapy"
Priano C, Fabbricatore P, Farinon S, Musenich R et al.
IEEE Transactions on Applied Superconductivity, 12 (1), 988-992, 2002
- (1.59) "The winding line for the CMS reinforced conductor"
Fabbricatore P, Campi D, D'Urzo C, Musenich R et al.
IEEE Trans on Appl.Superconductivity 12 (1), 358-361, 2002
- (1.60) "The CMS conductor"
Blau B, Campi D, Cure B, et al.
IEEE Trans on Appl.Superconductivity 12 (1), 345-348, 2002
- (1.61) "Electrical joints in the CMS superconducting magnet"
Farinon S, Chesny P, Cure B, et al.
IEEE Trans on Appl.Superconductivity 12 (1), 462-464, 2002
- (1.62) "Critical current measurements on the CMS stabilized conductor"
Greco M, Fabbricatore P, Musenich R
IEEE Trans on Appl.Superconductivity 12 (1), 381-384, 2002
- (1.63) "CMS coil design and assembly"
Kircher F, Bredy P, Campi D, et al.
IEEE Trans on Appl.Superconductivity 12 (1), 395-398, 2002
- (1.64) "Design, construction, and quality tests of the large Al-alloy mandrels for the CMS coil"
Sgobba S, D'Urzo C, Fabbricatore P, et al.
IEEE Trans on Appl.Superconductivity 12 (1), 428-431, 2002
- (1.65) "Self-field effects on critical current measurements of large multi-strand conductors"
Greco M, Fabbricatore P, Musenich R, et al.
IEEE Trans on Appl.Superconductivity, 13 (2), 3374-3377, 2003
- (1.66) "Influence of the sintering process on critical currents, irreversibility lines and pinning energies in multifilamentary MgB₂ wires"
Fabbricatore P, Greco M, Musenich R, et al.
Superconductor Science & Technology, 16 (3), 364-370, 2003
- (1.67) "Critical current and n-value modifications from superconducting strands to Rutherford cables"
Greco M, Fabbricatore P, Farinon S, Musenich R
Physica C - Superconductivity and its Applications, 401 (1-4), 124-128, 2004
- (1.68) "Determination of the V-I characteristic of NbTi wires in a wide resistivity range"
Musenich R, Fabbricatore P, Farinon S, Greco M
Physica C - Superconductivity and its Applications, 401 (1-4), 260-264, 2004
- (1.69) "A superconducting cyclotron as driver for radioactive beam facilities"
Calabretta L, Maggiore M, Re M, Rifuggiato D, Farinon S, Fabbricatore P, Musenich R
Nuclear Physics A, 734, 378-381, 2004
- (1.70) "Construction and tests of MgB₂ react & wind coils"
Musenich R, Fabbricatore R, Fanciulli C, et al.

IEEE Trans on Appl.Superconductivity, 14 (2), 365-367, 2004

- (1.71) "Status of the construction of the CMS magnet"
Herve A, Blau B, Bredy PH, et al.
IEEE Trans on Appl.Superconductivity, 14 (2), 542-547, 2004
- (1.72) "The construction of the modules composing the CMS superconducting coil"
P.Fabbricatore, D.Campi, C.D'Urzo, S.Farion, A.Gaddi, M.Greco, B.Levesy, L.Loche, R.Musenich, F.Rondeaux, R.Penco
IEEE Trans on Appl.Superconductivity, 14 (2), 552-555, 2004
- (1.73) "The winding method and model of a superconducting bending dipole for hadrontherapy"
Farion S, Cereseto R, Cuneo S, Fabbricatore P, Musenich R, et al.
IEEE Trans on Appl.Superconductivity, 14 (2), 585-588, 2004
- (1.74) "Electrical characterization of S/C conductor for the CMS solenoid"
Fabbricatore P, Greco M, Musenich R, et al.
IEEE Trans on Appl.Superconductivity, 15 (2), 1275-1278, 2005
- (1.75) "Behavior of MgB₂ react & wind coils above 10 K"
Musenich R, Fabbricatore P, Farion S, et al.
IEEE Trans on Appl.Superconductivity, 15 (2), 1452-1456, 2005
- (1.76) "MgB₂ coils for particle accelerators"
Author(s): Bellomo G, Musenich R, Sorbi M, et al.
IEEE Trans on Appl.Superconductivity, 16 (2), 1439-1441, 2006
- (1.77) "Behavior of MgB₂ reacted and wound coils from 14 K to 32 K in a cryogen free apparatus"
Modica M, Grasso G, Greco M, Marabotto R, Musenich R, Nardelli D, Penco R, Tassisto M
IEEE Trans on Appl.Superconductivity, 16 (2), 1449-1452, 2006
- (1.78) "The behaviour of cryogen-free MgB₂ react and wind coils"
R.Musenich, P.Fabbricatore, S.Farion, M.Greco, M.Modica, R.Marabotto, R.Penco, M.Razeti, D. Nardelli
Superconductor Science & Technology, 19 (3), S126-S131, 2006
- (1.79) "Behavior of a 14 cm bore solenoid with multifilament MgB₂ tape"
Alessandrini M, Musenich R, Penco R, et al.
IEEE Trans on Appl.Superconductivity 17 (2), 2252-2257, 2007
- (1.80) "Investigation of magnetization behavior of Nb₃Sn wires for the Next European Dipole (NED) activity"
Greco M, Bernini C, Fabbricatore P, Ferdeghini, C, GambardellaU, Musenich R
IEEE Trans on Appl.Superconductivity 17 (2), 2722-2725, 2007
- (1.81) "Electrical characterization of a multi-strand MgB₂ cable"
Musenich R, Greco M, Razeti M, Tavilla G
Supercond. Sci. Technol. 20, 1-4, 2007
- (1.82) "Development of a curved fast ramped dipole for FAIR SIS300"
Fabbricatore R, Alessandria F, Bellomo G, Farion, S, Gambardella, U., Kaugerts, J., Marabotto, R., Musenich, R., Moritz, G., Sorbi, M., Volpini, G.
IEEE Trans on Appl.Superconductivity 18 (2), 232-235, 2008
- (1.83) "A MgB₂ superferric racetrack magnet"
R.Musenich, M.Sorbi, G.Tavilla, G.Volpini, R.Marabotto, M.Modica, D.Nardelli
Supercond. Sci. Technol., 21 (10) Article Number: 105014, 2008
- (1.84) "A Model Dipole for FAIR SIS300: Design of the Mechanical Structure "
Farion S, Fabbricatore P, Musenich R, et al.
IEEE Trans on Appl.Superconductivity 19 (3), 1141-1145, 2009
- (1.85) "Electromagnetic Design of the Coil-Ends for the FAIR SIS300 Model Dipole"
Sorbi M, Alessandria F, Bellomo G, Sorbi M, Alessandria F, Bellomo G, Fabbricatore P, Farion S, Gambardella U, Musenich R, Volpini G
IEEE Trans on Appl.Superconductivity 19 (3), 1131-1135, 2009

- (1.86) "Thermal Analysis of the FAIR SIS300 Model Dipole"
M.Sorbi, F.Alessandria, G.Bellomo, P. Fabbriatore, S. Farinon, U.Gambardella, R.Musenich, G.Volpini,
Advanced in Cryogenic Engineering, 55A-55B, 1218, 981-988, 2010
- (1.87) "A Model Dipole for FAIR SIS300: 3D Design of the Mechanical Structure"
S.Farinon, P.Fabbriatore, R.Musenich, F.Alessandria, G.Bellomo, M.Sorbi, G.Volpini, U.Gambardella, R.Marabotto,
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