

PUBBLICAZIONI SU RIVISTE INTERNAZIONALI

- 1) - "Strong Isotopic Dependence of the Fusion of $^{40}\text{Ca} + ^{90,96}\text{Zr}$ "
H.Timmers, L.Corradi, A.M.Stefanini, D.Ackermann, J.H.He, S.Beghini, G.Montagnoli, F.Scarlassara, G.F.Segato e N.Rowley,
Physics Letters **B399** (1997) 35
- 2) - "Evidence of Complex Degrees of Freedom in Multinucleon Transfer Reactions of $^{48}\text{Ca} + ^{124}\text{Sn}$ "
L.Corradi, A.M.Stefanini, J.H.He, S.Beghini, G.Montagnoli, F.Scarlassara, G.F.Segato, G.Pollarolo e C.H.Dasso,
Physical Review **C56** (1997) 938
- 3) – “Spin distributions - another approach for experimentally probing the fusion barrier distribution”
Ackermann D, Back BB, Betts RR, Carpenter M, Corradi L, Fischer SM, Ganz R, Gil S, Hackman G, Hofman DJ, Janssens RVF, Khoo TL, Montagnoli G, Nanal V, Scarlassara F, Schlapp M, Seweryniak D, Stefanini AM, Wuosmaa AH
Journal of Physics **G23**, 1167 (1997)
- 4) – “Barrier distributions and scattering”
Timmers H, Leigh JR, Rowley N, Stefanini AM, Ackermann D, Beghini S, Corradi L, Dasgupta M, He JH, Hinde DJ, Mein JC, Montagnoli G, Morton CR, Newton JO, Scarlassara F, Segato GF
Journal of Physics **G23**, 1175 (1997)
- 5) – “Low-energy surface vibrations and neutron transfer initiating heavy-ion sub-barrier fusion”
Stefanini AM
Journal of Physics **G23**, 1401 (1997)
- 6) – “Multinucleon transfer reactions of $\text{Ca-40} + \text{Zr-90, Zr-96}$ ”
Montagnoli G, Beghini S, Scarlassara F, Segato GF, Corradi L, Lin CJ, Stefanini AM
Journal of Physics **G23**, 1431 (1997)
- 7) – “Weakly populated multinucleon transfer channels studied with a new time-of-flight magnetic spectrometer”
Corradi L, Stefanini AM, He JH, Lin C, Beghini S, Montagno G, Scarlassa F, Segato GF, Pollarolo G, Dasso CH, Winther A
Journal of Physics **G23**, 1485 (1997)
- 8) – “Spin distributions for $\text{Ni-64} + \text{Mo-100}$ with the Argonne Notre Dame BGO-array”
Ackermann D, Back BB, Betts RR, Carpenter M, Corradi L, Fischer SM, Ganz R, Gil S, Hackman G, Hofman DJ, Janssens RVF, Khoo TL, Montagnoli G, Nanal V, Scarlassara F, Schlapp M, Seweryniak D, Stefanini AM, Wuosmaa AH

Nuclear Physics **A630**, 442C (1998)

9) – “Measuring barriers to fusion”

Dasgupta M, Hinde DJ, Rowley N, Stefanini AM

Annu. Rev. Nucl. Part. Sci. **48**, 401 (1998)

10) – “Fragmentation of the two-phonon gamma-vibration in Er166 ”

Fahlander C, de Angelis G, Bazzacco D, Beghini S, Brandolini F, Cline D, Corradi L, De Poli M, Farnea E, Gadea A, Hartlein T, Lunardi S, Montagnoli G, Napoli DR, Petrache CM, Podolyak Z, Alvarez CR, Scarlassara F, Stefanini AM, Wu CY

Acta Physica Hungarica New Series-Heavy Ion Physics **7**, 109 (1998)

11) - "A Case Study of Collectivity, Transfer and Fusion Enhancement"

H.Timmers, D.Ackermann, S.Beghini, L.Corradi, J.H.He, G.Montagnoli, F.Scarlassara, A.M.Stefanini e N.Rowley,

Nuclear Physics **A633** (1998) 421

12) – “Systematic investigation of weakly populated multinucleon transfer channels”

Corradi L, Stefanini AM, Ackermann D, Lin C, Zheng L, Beghini S, Montagnoli G, Scarlassara F, Segato GF, Pollarolo G

Nuovo Cimento **A111**, 903 (1998)

13) – “Fusion of $\text{Ca-40} + \text{Sn-124}$ at subbarrier energies”

Stefanini AM, Corradi L, Ackermann D, Lin CJ, Zheng LF, Beghini S, Montagnoli G, Scarlassara F, Segato GF

Nuovo Cimento **A111**, 895 (1998)

14) - "Multinucleon Transfer Processes in $64\text{Ni} + 238\text{U}$ "

L.Corradi, A.M.Stefanini, C.J.Lin, S.Beghini, G.Montagnoli, F.Scarlassara, G.Pollarolo e A.Winther,

Physical Review **C59** (1999) 261

15) – “Elastic and inelastic scattering of $\text{Ni-58} + \text{Zr-90, Zr-94}$ ”

Sugiyama Y, Napoli DR, Stefanini AM, Corradi L, Signorini C, Scarlassara F, Tomita Y, Ikezoe I, Ideno K, Yamanouchi Y, Nagashima Y, Sugimitsu T, Pollarolo G

Eur. Phys. Journal **A4**, 157 (1999)

16) – “Dynamics of low-energy heavy-ion fusion”

Stefanini AM

Pramana-Journal of Physics **53**, 505 (1999)

17) – “Fragment spin as a function of the mass asymmetry in heavy ion induced fission reactions”

Choudhury RK, Saxena A, Chatterjee A, Shetty DV, Kapoor SS, Cinausero M, Corradi L, Farnea E, Fioretto E, Gadea A, Napoli D, Prete G, Stefanini AM, Bazzaco D, Beghini S, Fabris D, Montagnoli G, Nebbia G, Rossi-Alvarez C, Scarlassara F, Ur C, Viesti G
Physical Review **C60**, 054609 (1999)

18) – “Multinucleon transfer reactions in the Ca-40+Sn-124 system studied via gamma-particle coincidences”

Corradi L, de Angelis G, Gadea A, Maron G, Napoli DR, Stefanini AM, Beghini S, Bazzaco D, Montagnoli G, Pavan P, Scarlassara F, Ur CA, He JH, Fahlander C, Pollarolo G, Cerutti F
Physical Review **C62**, 024609 (2000)

19) – “Near-barrier fusion of S-36+Zr-90,Zr-96: The effect of the strong octupole vibration of Zr-96”

Stefanini AM, Corradi L, Vinodkumar AM, Feng Y, Scarlassara F, Montagnoli G, Beghini S, Bisogno M
Physical Review **C62**, 014601 (2000)

20) – “Fusion of Ca-40+Sn-124 around the Coulomb barrier”

Scarlassara F, Beghini S, Montagnoli G, Segato GF, Ackermann D, Corradi L, Lin CJ, Stefanini AM, Zheng LF
Nuclear Physics **A672**, 99 (2000)

21) – “The time-of-flight spectrometer for heavy ions PISOLO”

Montagnoli G, Scarlassara F, Beghini S, Dal Bello A, Segato GF, Stefanini AM, Ackermann D, Corradi L, He JH, Lin CJ
Nuclear Instr. & Meth. In Phys. Res. **A454**, 306 (2000)

22) - “*Multi-neutron transfer in Ni-62+Pb-206: A search for neutron pair modes*”

Corradi L, Vinodkumar AM, Stefanini AM, Ackermann D, Trotta M, Beghini S, Montagnoli G, Scarlassara F, Pollarolo G, Cerutti F, Winther A
Physical Review **C63**, 021601 (2001)

23) – “Transfer reactions and sub-barrier fusion in Ca40+Zr-90,96”

Montagnoli G, Beghini S, Scarlassara F, Stefanini AM, Corradi L, Lin CJ, Pollarolo G, Winther A
European Physical journal **A15**, 351 (2002)

24) – “Light and heavy transfer products in Ni-58+Pb-208 at the Coulomb barrier”

Corradi L, Vinodkumar AM, Stefanini AM, Fioretto E, Prete G, Beghini S, Montagnoli G, Scarlassara F, Pollarolo G, Cerutti F, Winther A
Physical Review **C66**, 024606 (2002)

25) – “*The heavy-ion magnetic spectrometer PRISMA*”

Stefanini AM, Corradi L, Maron G, Pisent A, Trotta M, Vinodkumar AM, Beghini S, Montagnoli G, Scarlassara F, Segato GF, De Rosa A, Inghima G, Pierroutsakou D, Romoli M, Sandoli M, Pollarolo G, Latina A
Nuclear Physics **A701**, 217C (2002)

26) – “Production of neutron-rich nuclei by multinucleon transfer reactions”

Corradi L, Stefanini AM, Vinodkumar AM, Beghini S, Montagnoli G, Scarlassara F, Pollarolo G
Nuclear Physics **A701**, 109C (2002)

27) - “*Fusion of Ti-46+Ti-46 near the Coulomb barrier*”

Stefanini AM, Trotta M, Corradi L, Vinodkumar AM, Scarlassara F, Montagnoli G, Beghini S
Physical Review **C65**, 034609 (2002)

28) – “*Sub-barrier fusion of the magic nuclei Ca-40,Ca-48+Ca-48*”

Trotta M, Stefanini AM, Corradi L, Gadea A, Scarlassara F, Beghini S, Montagnoli G
Physical Review **C65**, 011601 (2002)

29) – “Unexpected entrance-channel effect in the fission of Ra216”

Chizhov AY, Itkis MG, Itkis IM, Kniajeva GN, Kozulin EM, Kondratiev NA, Pokrovsky IV, Sagaidak RN, Voskressensky VM, Yereimin AV, Corradi L, Gadea A, Latina A, Stefanini AM, Szilner S, Trotta M, Vinodkumar AM, Beghini S, Montagnoli G, Scarlassara F, Rusanov AY, Hanappe F, Dorvaux O, Rowley N, Stuttge L
Physical Review **C67**, 011603 (2003)

29) – “Fusion-fission of heavy and superheavy nuclei”

Itkis MG, Beghini S, Bogatchev AA, Corradi L, Dorvaux O, Gadea A, Giardina G, Goverdovski AA, Hanappe F, Itkis IM, Jandel M, Kliman J, Kniajeva GN, Kondratiev NA, Korzyukov IV, Kozulin EM, Krupa L, Latina L, Materna T, Montagnoli G, Moody KJ, Oganessian YT, Pokrovsky IV, Ponomarenko VA, Prokhorova EV, Rowley N, Rusanov AY, Scarlassara F, Stefanini AM, Stuttge L, Szilner S, Trotta M, Vinodkumar AM
Physics Of Atomic Nuclei **66**, 1118 (2003)

30)- “The effect of the entrance channel on the fission of Ra-216”

Pokrovsky IV, Chizhov AY, Itkis MG, Itkis IM, Kniajeva GN, Kozulin EM, Kondratiev NA, Sagaidak RN, Voskressensky VM, Corradi L, Stefanini AM, Trotta M, Vinodkumar AM, Beghini S, Montagnoli G, Scarlassara F, Rusanov AY, Hanappe F, Dorvaux O, Rowley N, Stuttge L
Physics Of Atomic Nuclei **66**, 1198 (2003)

31) - “Fusion suppression in mass-asymmetric reactions leading to Ra compound nuclei”

Sagaidak RN, Kniajeva GN, Itkis IM, Itkis MG, Kondratiev NA, Kozulin EM, Pokrovsky IV, Svirikhin AI, Voskressensky VM, Yereimin AV, Corradi L, Gadea A, Latina A, Stefanini AM, Szilner S, Trotta M, Vinodkumar AM, Beghini S, Montagnoli G, Scarlassara F, Ackermann D, Hanappe F, Rowley N, Stuttge L
Physical Review **C68**, 014603 (2003)

32) – “Influence of fusion barrier distributions on spin populations”

Courtin S, Rowley N, Haas F, Ackermann D, Bazzacco DB, Boston AJ, Cinausero M, Durell J, Hannachi F, Hoellinger F, Lopez-Martens A, Martinez T, Merdinger JC, Paul ES, Rossi-Alvarez C, Rousseau M, Scraggs HC, Spolaore P, Stefanini AM, Stezowski O, Varley B, Viesti G, Vivien JP
Nuclear Physics **A724**, 125 (2003)

33) – “Search for pairing-vibration states of even Ca isotopes in $^{40}\text{Ca}+^{208}\text{Pb}$ transfer reactions”

S.Szilner, L.Corradi, F.Haas, G.Pollarolo, S.Beghini, B.Behera, E.Caurier, E.Fioretto, A.Gadea, A.Latina, G.Montagnoli, F.Nowacki, F.Scarlassara, A.M.Stefanini, M.Trotta, A.M.Vinodkumar, Y.Wu
Eur.Phys.J. **A21**, 87 (2004)

34) – “Fusion of $\text{Ca-48}+\text{Sm-154}$ near the Coulomb barrier: enhancement vs. suppression”

Trotta M, Stefanini AM, Corradi L, Fioretto E, Gadea A, Szilner S, Beghini S, Montagnoli G, Scarlassara F, Chizhov AY, Itkis IM, Kniajeva GN, Kozulin EM, Kondratiev NA, Pokrovsky IV, Sagaidak RN, Voskressensky VM, Courtin S, Dorvaux O, Haas F, Rowley N
Nuclear Physics **A734**, 245 (2004)

35) – “Population of nuclei far from stability via multinucleon transfer: the $\text{Ni-58}+\text{Pb-208}$ case”

Corradi L, Vinodkumar AM, Stefanini AM, Fioretto E, Prete G, Szilner S, Trotta M, Beghini S, Montagnoli G, Scarlassara F, Pollarolo G, Cerutti F
Nuclear Physics **A734**, 237 (2004)

36) – “Shell effects in fission and quasi-fission of heavy and superheavy nuclei

Itkis MG, Aysto MG, Beghini S, Bogachev AA, Corradi K, Dorvaux O, Gadea A, Giardina G, Hanappe F, Itkis IM, Jandel M, Kliman J, Khlebnikov SV, Kniajeva GN, Kondratiev NA, Kozulin EM, Krupa L, Latina A, Materna T, Montagnoli G, Oganessian YT, Pokrovsky IV, Prokhorova EV, Rowley N, Rubchenya VA, Rusanov AY, Sagaidak RN, Scarlassara F, Stefanini AM, Stuttge L, Szilner S, Trotta M, Trzaska WH, Vakhtin DN, Vinodkumar AM, Voskressenski VM, Zagrebaev VI
Nuclear Physics **A734**, 136 (2004)

37) – “Coupling a CLOVER detector array with the PRISMA magnetic spectrometer - Investigation of moderately neutron-rich nuclei populated by multinucleon transfer and deep inelastic collisions”

Gadea A, Napoli DR, de Angelis G, Menegazzo R, Stefanini AM, Corradi L, Axiotis M, Berti L, Fioretto E, Kroell T, Latina A, Marginean N, Maron G, Martinez T, Rosso D, Rusu C, Toniolo N, Szilner S, Trotta M, Bazzacco D, Beghini S, Bellato M, Brandolini F, Farnea E, Isocrate R, Lenzi SM, Lunardi S, Montagnoli G, Pavan P, Alvarez CR, Scarlassara F, Ur C, Blasi N, Bracco A, Camera F, Leoni S, Million B, Pignanelli M, Pollarolo G, DeRosa A, Inghima C, La Commara M, La Rana G, Pierroutsakou D, Romoli M, Sandoli M, Bizzeti PG, Bizzeti-Sona AM, Lo Bianco G, Petrache CM, Zucchiatti A, Cocconi P, Quintana B, Beck C, Curien D, Duchene G, Haas F, Medina P, Papka P, Durell J, Freeman SJ, Smith A, Varley B, Fayz K, Pucknell V, Simpson J, Gelletly W, Regan P
Eur.Phys.J. **A20**, 193 (2004)

38) – “Reaction mechanism studies using the CN/ER spin distribution”
Ackermann D, Antalic S, Axiotis M, Bazzacco D, Beghini S, Berek G, Corradi L, De Angelis G, Farnea E, Gadea A, Hessberger FP, Hofmann S, Itkis MG, Kniajeva GN, Kozulin EM, Latina A, Martinez T, Menegazzo R, Montagnoli G, Munzenberg G, Oganessian YT, Alvarez CR, Ruan M, Sagaidak RN, Scarlassara F, Stefanini AM, Szilner S, Trotta M, Ur C
Eur.Phys.J. **A20**, 151 (2004)

39) – “Which degrees of freedom play a role in multinucleon transfer processes?”
Corradi L, Stefanini AM, Totta M, Vinodkumar AM, Beghini S, Montagnoli G, Scarlassara F, Pollarolo G
Acta Physica Hungarica New Series – Heavy Ion Physics **19**, 95 (2004)

40) – “Shell effects in Fusion-Fission of heavy and superheavy nuclei”
Itkis MG, Beghini S, Bogatchev AA, Corradi L, Dorvaux O, Hanappe F, Gadea A, Giardina G, Itkis IM, Jandel M, Kliman J, Kniajeva GN, Kondratiev NA, Korzyukov IV, Kozulin EM, Krupa L, Latina L, Materna T, Montagnoli G, Oganessian YT, Pokrovsky IV, Prokhorova EV, Rowley N, Rusanov AY, Scarlassara F, Stefanini AM, Stuttge L, Szilner S, Trotta M, Voskressenski VM
Acta Physica Hungarica New Series – Heavy Ion Physics **19**, 9 (2004)

41) – “Multinucleon transfer reactions studied with magnetic spectrometers”
Corradi L, Szilner S, Bechini S, Behera BR, Fioretto E, Gadea A, Latina A, Montagnoli C, Pollarolo G, Scarlassara F, Stefanini AM, Trotta M, Vinodkumar AM, Wu YW
Progr. Theor. Phys. Suppl. **154**, 130 (2004)

42) – “Fusion hindrance and quasi-fission in Ca-48 induced reactions”
Trotta M, Stefanini AM, Behera BR, Corradi L, Fioretto E, Gadea A, Szilner S, Wu YW, Beghini S, Montagnoli G, Scarlassara F, Chizhov AY, Itkis IM, Kniajeva GN, Kondratiev NA, Kozulin EM, Pokrovsky IV, Sagaidak RN, Voskressensky VM, Haas F, Rowley N
Progr. Theor. Phys. Suppl. **154**, 37 (2004)

43) – “Subbarrier fusion and barrier distributions of Ca-48+Zr-90,Zr-96”

Scarlassara F, Montagnoli G, Beghini S, Silvestri R, Stefanini AM, Corradi L, Behera BR, Fioretto E, Szilner S, Trotta M, Wu YW, Liu ZH, Ruan M, Yang F, Zhang HQ
Progr. Theor. Phys. Suppl. **154**, 31 (2004)

44) – “Multinucleon transfer measured with the magnetic spectrometer Prisma”
F. Scarlassara, b, S. Beghini, G. Montagnoli, b, B.R. Behera, L. Corradi, E. Fioretto, A. Gadea, A. Latina, A.M. Stefanini, S. Szilner, M. Trotta and Y.W. Wu
Nucl. Phys. A 746, 195c (2004)

45)- “PRISMA - a magnetic spectrometer for heavy ions at LNL”
A.Latina, A.M.Stefanini, S. Beghini, B.R. Behera, L. Corradi, G. De Angelis, A. De Rosa, E. Fioretto, A. Gadea, M. Gulmini, G. Inglima, M. La Commara, G. Maron, R. Menegazzo, N. Marginean, G. Montagnoli, D.R. Napoli, D. Pierroutsakou, G. Pollaro, M. Romoli, M. Sandoli, F. Scarlassara, S. Szilner, N. Toniolo, M. Trotta, Y.W. Wu
Nucl Phys. A 734, E1 (2004)

46)- “Study of nucleon correlation effects via multinucleon transfer in $^{40}\text{Ca}+^{208}\text{Pb}$ ”
S.Szilner, L.Corradi, A.Gadea, A.M.Stefanini, M.Trotta, A.M.Vinodkumar, S.Beghini, G.Montagnoli, F.Scarlassara, G.Pollarolo, F.Cerutti, A.Latina
Nucl Phys. A 734, E49 (2004)

47)- “Excitation functions for $^{208-211}\text{Fr}$ produced in the $^{18}\text{O} + ^{197}\text{Au}$ fusion reaction”
L.Corradi, B.R.Behera, E.Fioretto, A.Gadea, A.Latina, A.M.Stefanini, S.Szilner, M.Trotta, Y.Wu, S.Beghini, G.Montagnoli, F.Scarlassara, R.N.Sagaidak, S.N.Atutov, B.Mai, G.Stancari, L.Tomassetti, E.Mariotti, A.Khanbekyan, S.Veronesi
Phys.Rev. C 71, 014609 (2005)

48)- “Fusion-evaporation cross-sections for $^{48}\text{Ca} + ^{154}\text{Sm}$ near the Coulomb barrier. Evidence for fusion enhancement and hindrance”
A.M. Stefanini, M. Trotta, B.R. Behera, L. Corradi, E. Fioretto, A. Gadea, A. Latina, S. Szilner, Y.W. Wu, S. Beghini, G. Montagnoli, F. Scarlassara, A.Yu. Chizhov, I.M. Itkis, N.A. Kondratiev, I.V. Pokrovskiy,
R.N. Sagaidak, G.N. Kniajeva, E.M. Kozulin, V.M. Voskressensky, S. Courtin, F. Haas, and N. Rowley
Eur. Phys. J. A 23, 473 (2005)

49)- “Multinucleon transfer processes in $^{40}\text{Ca}+^{208}\text{Pb}$ ”
S. Szilner, L. Corradi, G. Pollaro, S. Beghini, B. R. Behera, E. Fioretto, A. Gadea, F. Haas, A. Latina, G. Montagnoli, F. Scarlassara, A. M. Stefanini, M. Trotta, A. M. Vinodkumar, and Y. Wu
Phys. Rev. C71, 044610 (2005)

50)- “The large-area micro-channel plate entrance detector of the heavy-ion magnetic spectrometer PRISMA”
G.Montagnoli, A.M.Stefanini, M.Trotta, S.Beghini, M.Bettini, F.Scarlassara, V.Schiavon, L.Corradi, B.R.Behera, E.Fioretto, A.Gadea, A.Latina, S.Szilner, L.Dona’,

M.Rigato, N.A.Kondratiev, A.Yu.Chizhov, G.Kniajeva, E.M.Kozulin, I.V.Pokrovskiy, V.M.Voskressensky and D.Ackermann
Nucl. Instr. & Meth. in Phys. Res. **A547**, 455 (2005)

51)- “Multinucleon transfer reactions studied with the heavy-ion magnetic spectrometer PRISMA”

L.Corradi, A.M.Stefanini, S.Szilner, S.Beghini, B.R.Behera, E.Farnea, A.Gadea, E.Fioretto, F.Haas, A.Latina, N.Marginean, G.Montagnoli, G.Pollarolo, F.Scarlassara, M.Trotta, C.Ur, and the PRISMA-CLARA Collaboration
Eur.Phys.J. A 25, Supplement 1, 427 (2005)

52)-“ The CLARA-PRISMA setup installed at LNL: first results”

A.Gadea, N.Marginean, L.Corradi, S.M.Lenzi, C.A.Ur, E.Farnea, G.de Angelis, E.Fioretto, D.R.Napoli, A.M.Stefanini, S.Szilner, M.Axiotis, B.R.Behera, A.Latina, C.Rusu, W.Zhimin, D.Bazzacco, S.Beghini, S.Lunardi, G.Montagnoli, R.Menegazzo, F.Scarlassara, F.Della Vedova, M.Nespolo, A.Bracco, F.Camera, S.Leoni, B.Million, M.Pignanelli, G.Pollarolo, M.Trotta, P.G.Bizzeti, A.M.Bizzeti-Sona, D.Curien, P.Medina, M.Chambit, R.Chapman, X.Liang, S.J.Freeman, A.Smith, B.J.Varley, V.Pucknell, R.Lemmon
J.Phys.(London) G31, S1443 (2005)

53)- “Intruder configurations in neutron-rich P and S isotopes”

J.Ollier, A.Hodsdon, R.Chapman, X.Liang, M.Burns, K.Keyes, M.Labiche, A.Papenberg, K.-M.Spohr, M.Davison, G.de Angelis, M.Axiotis, B.Behera, L.Corradi, A.Gadea, A.Latina, T.Kroll, N.Marginean, T.Martinez, D.R.Napoli, A.Stefanini, M.Trotta, S.Beghini, D.Bazzacco, E.Farnea, S.Lunardi, G.Montagnoli, F.Scarlassara, A.Deacon, A.G.Smith, J.F.Smith, D.Curien, F.Haas, D.Verney, A.Jungclaus, F.Azaiez, F.Ibrahim, M.Stanoiu, Zs.Dombradi
J.Phys.(London) G31, S1935 (2005)

54)- “Fusion hindrance and quasi-fission in ^{48}Ca induced reactions: Implications for super-heavy element production”

M.Trotta, A.M.Stefanini, S.Beghini, B.R.Behera, A.Yu.Chizhov, L.Corradi, S.Courtin, E.Fioretto, A.Gadea, P.R.S.Gomes, F.Haas, I.M.Itkis, M.G.Itkis, G.N.Kniajeva, N.A.Kondratiev, E.M.Kozulin, A.Latina, G.Montagnoli, I.V.Pokrovsky, N.Rowley, R.N.Sagaidak, F.Scarlassara, A.Szanto de Toledo, S.Szilner, V.M.Voskressensky, Y.W.Wu
Eur.Phys.J. A 25, Supplement 1, 615 (2005)

55)- “The focal plane detector of the magnetic spectrometer PRISMA”

Beghini S, Corradi L, Fioretto E, Gadea A, Latina A, Montagnoli G, Scarlassara F, Stefanini AM, Szilner S, Trotta M, Vinodkumar AM
Nucl. Instr. & Meth. in Phys. Res. **A551**, 364 (2005)

56)- “Shape transitions far from stability: The nucleus ^{58}Cr ”

N. Marginean, S.M. Lenzi, A. Gadea, E. Farnea, S.J. Freeman, D.R. Napoli, D. Bazzacco, S. Beghini, B.R. Behera, P.G. Bizzeti, A. Bizzeti-Sona, D. Bucurescu, R. Chapman,

L. Corradi, A.N. Deacon, G. de Angelis, F. Della Vedova, E. Fioretto, M. Ionescu-Bujor, A. Iordachescu, Th. Kröll, A. Latina, X. Liang, S. Lunardi, G. Montagnoli, R. Marginean, M. Nespolo, G. Pollarolo, C. Rusu, F. Scarlassara, J.F. Smith, K. Spohr, A.M. Stefanini, S. Szilner, M. Trotta, C.A. Ur, B.J. Varley, W. Zhimin
Physics Letters **B633** (2006) 696

57)- “ Fusion of $48\text{Ca}+90,96\text{Zr}$ above and below the Coulomb barrier”
A.M.Stefanini, F.Scarlassara, S.Beghini, G.Montagnoli, R.Silvestri, M.Trotta, B.R.Behera, L.Corradi, E.Fioretto, A.Gadea, Y.W.Wu, S.Szilner, H.Q.Zhang, Z.H.Liu, M.Ruan, F.Yang, N.Rowley
Phys.Rev.**C73**, 034606 (2006)

58)- “ Studies of neutron-rich nuclei with the CLARA-PRISMA setup and description of the heavy-ion detector DANTE ”
J.J.Valiente-Dobon, A.Gadea, L.Corradi, G.de Angelis, F.della Vedova, E.Fioretto, N.Marginean, D.R.Napoli, I.Pokrovsky, A.Stefanini, X.Y.Zhang, S.Beghini, E.Farnea, S.Lunardi, R.Menegazzo, G.Montagnoli, F.Scarlassara, C.A.Ur, N.A.Kondratiev, S.Brambilla, G.Pollarolo, M.Trotta, S.Szilner
Acta Phys.Polonica **B37** (2006) 225

59)- “A Study of the Neutron-rich Nucleus ^{36}Si ”
X.Liang, F.Azaiez, R.Chapman, F.Haas, N.Marginean, S.Beghini, B.Behera, M.Burns, E.Caurier, L.Corradi, D.Curien, A.Deacon, Zs.Dombradi, E.Farnea, E.Fioretto, A.Hodsdon, A.Gadea, F.Ibrahim, A.Jungclaus, K.Keyes, A.Latina, G.Montagnoli, D.Napoli, F.Nowacki, J.Ollier, A.Papenberg, F.Scarlassara, J.F.Smith, K.Spohr, M.Stanoiu, A.M.Stefanini, M.Trotta, D.Verney, Z.Wang
Phys.Rev. **C74** (2006) 014311

60) – “Spectroscopy of neutron-rich ^{37}P ”
A. Hodsdon, R. Chapman, X. Liang, F. Haas, J. Ollier, E. Caurier, F. Nowacki, M.-D. Salsac, F. Azaiez, S. Beghini, B. Behera, M. Burns, L. Corradi, D. Curien, A. N. Deacon, Zs. Dombradi, E. Farnea, E.Fioretto, A. Gadea, A. Jungclaus, K. L. Keyes, A. Latina, N. Marginean, G. Montagnoli, D. Napoli, D. O'Donnell, A. Papenberg, F. Scarlassara, M. Stanoiu, A. Stefanini, J. F. Smith, K.-M. Spohr, S. Szilner, M. Trotta, D. Verney, and Z. Wang
Phys.Rev. **C75**, (2007) 034313

61) – “Quasifission processes in $^{40,48}\text{Ca} + ^{144,154}\text{Sm}$ reactions”
G. N. Knyazheva, E. M. Kozulin, R. N. Sagaidak, A. Yu. Chizhov, M. G. Itkis, N. A. Kondratiev, V. M. Voskressensky, A. M. Stefanini, B. R. Behera, L. Corradi, E. Fioretto, A. Gadea, A. Latina, S. Szilner, M. Trotta, S. Beghini, G. Montagnoli, F. Scarlassara, F. Haas, N. Rowley, P. R. S. Gomes, and A. Szanto de Toledo
Phys.Rev. **C75**, 064602 (2007)

62) – “Sub-barrier fusion of $40\text{Ca}+94\text{Zr}$: interplay of phonon and transfer couplings”
A.M.Stefanini, B.R.Behera , S.Beghini, L.Corradi, E.Fioretto,

A.Gadea, G.Montagnoli, N.Rowley, F.Scarlassara, S.Szilner, M.Trotta
Phys. Rev. **C76**, 014610 (2007)

63) – “Multinucleon transfer reactions in closed-shell nuclei”

S. Szilner, C. A. Ur, L. Corradi, N. Marginean, G. Pollarolo, A. M. Stefanini,
S. Beghini, B. R. Behera, E. Fioretto, A. Gadea, B. Guiot, A. Latina, P. Mason,
G. Montagnoli, F. Scarlassara, M. Trotta, G. de Angelis, F. Della Vedova, E. Farnea,
F. Haas, S. Lenzi, S. Lunardi, R. Marginean, R. Menegazzo, D. R. Napoli, M. Nespolo, I.
V. Pokrovsky, F. Recchia, M. Romoli, M.-D. Salsac, N. Soic, and J. J. Valiente-Dobon
Phys. Rev. **C76**, 024604 (2007)

64) – “An overview of near-barrier fusion studies with stable beams”

M. Trotta, A. M. Stefanini, S.Beghini, B. R. Behera, L. Corradi, E. Fioretto,
A. Gadea, M. G. Itkis, G. N. Knyazhev, N. A. Kondratiev, E. M. Kozulin,
N. Marginean, P. Mason, G. Montagnoli, I. V. Pokrovsky, R. N. Sagaidak,
F. Scarlassara, R. Silvestri, and S. Szilner
Nuclear Physics **A787** (2007) 134c

65) – “Spectroscopy of neutron-rich Fe Isotopes populated in
the $^{238}\text{U} + ^{64}\text{Ni}$ reaction”

S.Lunardi, S.M.Lenzi, F.Della Vedova, E.Farnea, A.Gadea, N.Marginean, D.Bazzacco,
S.Beghini, P.G.Bizzeti, A.M.Bizzeti-Sona, D.Bucurescu, L.Corradi, A.N.Deacon, G.de
Angelis, E.Fioretto, S.J.Freeman, M.Ionescu-Bujor, A.Iordachescu, P.Mason,
D.Mengoni, G.Montagnoli, D.R.Napoli, R.Orlandi, F.Scarlassara, J.F.Smith,
A.M.Stefanini, S.Szilner, C.A.Ur, J.J.Valiente-Dobon, B.J.Varley
Phys. Rev. **C76**, 034303 (2007)

66) – “Recent results on neutron-rich nuclei spectroscopy with the CLARA-PRISMA set-
up”

A.Gadea, E.Sahin, J.J.Valiente-Dobon, A.Dewald, E.Farnea, G.de Angelis, M.Axiotis,
D.R.Napoli, R.Orlandi, F.Della Vedova, E.Fioretto, L.Corradi,
A.M.Stefanini, A.Latina, N.Marginean, S.Szilner, O.Moller, B.Melon, D.Bazzacco,
S.Beghini, S.M.Lenzi, S.Lunardi, G.Montagnoli, R.Menegazzo, F.Scarlassara,
C.Ur, N.A.Kondratiev, E.M.Kozulin, G.Benzoni, A.Bracco, S.Brambilla,
F.Camera, S.Leoni, B.Million, M.Pignanelli, G.Pollarolo, M.Trotta,
P.G.Bizzeti, A.M.Bizzeti-Sona, D.Curien, G.Duchene, T.Faul, R.Chapman, X.Liang,
F.Azaiez, S.J.Freeman, B.J.Varley, V.Pucknell
Acta Phys.Polonica **B38**, 1311 (2007)

67) – “The heavy-ion magnetic spectrometer PRISMA”

P.Mason, N.Marginean, G.Montagnoli, S.Beghini, F.Scarlassara, E.Farnea, C.A.Ur,
A.Meroni, A.M.Stefanini, L.Corradi, E.Fioretto, I.V.Pokrovskiy, B.Guiot, A.Gadea,
J.J.Valiente-Dobon, F.Della Vedova, R.Orlandi, E.Sahin, D.R.Napoli, L.Berti,
N.Toniolo, S.Szilner, M.Trotta, M.Romoli, M.La Commara,
D.Perroutsakou, M.Sandoli, G.Pollarolo, G.Benzoni
Eur.Phys.J.**A150**, 359 (2007)

68) – “Gamma-ray spectroscopy of the neutron-rich nuclei ^{89}Rb , ^{92}Y , and ^{93}Y with multinucleon transfer reactions”

D.Bucurescu, C.Rusu, N.Marginean, C.A.Ur, G.de Angelis, L.Corradi, D.Bazzacco, S.Beghini, F.Della Vedova, G.Duchene, E.Farnea, T.Faul, E.Fioretto, A.Gadea, W.Gelletly, B.Guiot, M.Ionescu-Bujor, A.Iordachescu, S.D.Langdown, S.M.Lenzi, S.Lunardi, P.Mason, C.Mihai, R.Marginean, R.Menegazzo, G.Montagnoli, D.Napoli, Zs.Podolyak, P.H.Regan, F.Scarlassara, A.M.Stefanini, G.Suliman, S.Szilner, M.Trotta, Y.H.Zhang
Phys.Rev.**C76**, 064301 (2007)

69) - “Yrast structure of the neutron-rich $N=31$ isotones ^{51}Ca and ^{52}Sc ”

B.Fornal, R.V.F.Janssens, R.Broda, N.Marginean, S.Beghini, L.Corradi, M.P.Carpenter, G.De Angelis, F.Della Vedova, E.Farnea, E.Fioretto, A.Gadea, M.Homma, W.Krolas, T.Lauritsen, S.Lunardi, P.F.Mantica, P.Mason, G.Montagnoli, D.R.Napoli, T.Otsuka, T.Pawlat, F.Scarlassara, A.M.Stefanini, D.Seweryniak, S.Szilner, C.A.Ur, M.Trotta, J.J.Valiente-Dobon, J.Wrzesinski, S.Zhu
Phys.Rev. **C77**, 124304 (2008)

70) – “Decay of a narrow and high spin $^{24}\text{Mg} + ^{24}\text{Mg}$ resonance”

M.-D.Salsac, F.Haas, S.Courtin, A.Algora, C.Beck, S.Beghini, B.R.Behera, R.Chapman, L.Corradi, Zs.Dombradi, E.Farnea, E.Fioretto, A.Gadea, D.G.Jenkins, A.Latina, D.Lebhertz, S.Lenzi, X.Liang, N.Marginean, G.Montagnoli, D.Napoli, P.Papka, I.Pokrovski, G.Pollarolo, M.Rousseau, E.Sahin, A.Sanchez, I. Zafra, F.Scarlassara, D.Sohler, A.M.Stefanini, S.Szilner, M.Trotta, C.Ur, F.Della Vedova, Z.M.Wang, K.T.Wiedmann
Nucl.Phys. **A801**, 1 (2008)

71) – “Spectroscopy of neutron-rich 59-63Mn isotopes”

J.J. Valiente-Dobon, S.M. Lenzi, S.J. Freeman, S. Lunardi, J.F. Smith, M. Axiotis, S. Aydin, D. Bazzacco, S. Beghini, P.G. Bizzeti, A.M. Bizzeti-Sona, G. Benzoni, D. Bucurescu, L. Corradi, A.N. Deacon, G. de Angelis, F. Della Vedova, E. Farnea, E. Fioretto, A. Gadea, A. Gottardo, B. Guiot, B. Kay, M. Ionescu-Bujor, A. Iordachescu, S. Leoni, N. Marginean, P. Mason, D. Mengoni, B. Million, G. Montagnoli, D.R. Napoli, R. Orlandi, G. Pollarolo, F. Recchia, E. Sahin, F. Scarlassara, R. Silvestri, R. P. Singh, A.M. Stefanini, D. Steppenbeck, S. Szilner, C.A. Ur, B.J. Varley, O. Wieland
Phys.Rev. **C78**, 024302 (2008)

72) - "Fusion of $^{36}\text{S} + ^{48}\text{Ca}$: no evidence for hindrance well below the Coulomb barrier for a system with positive Q-value"

A.M. Stefanini, G. Montagnoli, R. Silvestri, S. Beghini, L. Corradi, S.Courtin, E. Fioretto, B. Guiot, F. Haas, D. Lebhertz, N. Marginean, P. Mason, F. Scarlassara, R.N.Sagaidak, S. Szilner
Phys. Rev. **C78**, 044607 (2008)

73) - “Heavy ion transfer reactions studied with PRISMA+CLARA”

L.Corradi, S.Szilner, G.Pollarolo, S.Beghini, E.Fioretto, B.Guiot, N.M.Marginean, P.Mason, G.Montagnoli, F.Scarlassara, R.Silvestri, A.M.Stefanini,

E.Farnea, C.A.Ur, S.Aydin, G.de Angelis, A.Gadea, R.Orlandi, S.Lunardi,
R.Marginean, D.Mengoni, D.R.Napoli, C.Mihai, F.Recchia, E.Sahin, N.Soic, D.Jelavic,
J.J.Valiente-Dobon, F.Della Vedova
Acta Phys.Polonica **B40**, 457 (2009)

74) - "Exploring the performance of the spectrometer Prisma in heavy zirconium and xenon mass regions"

P.Mason, L.Corradi, E.Fioretto, B.Guiot, R.Silvestri, A.M.Stefanini, S.Beghini,
G.Montagnoli, F.Scarlassara, N.Marginean, S.Szilner, G.Pollarolo, E.Farnea, A.Gadea,
D.Mengoni, D.R.Napoli, F.Rechhia, E.Sahin, C.A.Ur, J.J.Valiente-Dobon, R.Chapman,
S.Freeman, A.Hodsdon, G.Jones, M.Labiche, D.O'Donnell, J.Ollier, R.Orlandi, J.Smith,
K.Spohr, N.Thompson, P.Wady, Z.Wang
ibid., 489 (2009)

75) - "Population of neutron-rich nuclei around ^{48}Ca with deep inelastic collisions"

D.Montanari, S.Leoni, G.Benzoni, N.Blasi, A.Bracco, S.Brambilla, F.Camera,
A.Corsi, F.C.L.Crespi, B.Million, R.Nicolini, O.Wieland, L.Corradi, G.de Angelis,
F.Della Vedova, E.Fioretto, A.Gadea, D.Napoli, R.Orlandi, F.Recchia, A.Stefanini,
R.P.Singh, S.Szilner, J.J.Valiente-Dobon, D.Bazzacco, E.Farnea, S.M.Lenzi, S.Lunardi,
P.Mason, D.Mengoni, G.Montagnoli, F.Scarlassara, C.Ur, G.Lo Bianco, A.Zucchiatti,
M.Kmiecik, A.Maj, W.Meczynski, G.Pollarolo
ibid., 585 (2009)

76) - "Lifetime measurements of excited states in neutron-rich nuclei around ^{48}Ca "

D.Mengoni, J.J.Valiente-Dobon, A.Gadea, E.Farnea, S.M.Lenzi, S.Lunardi,
A.Dewald, T.Pissulla, S.Szilner, A.M.Stefanini, R.Broda, F.Recchia,
A.Algora, L.Angus, S.Aydin, D.Bazzacco, G.Benzoni, P.G.Bizzeti, A.M.Bizzeti-Sona,
P.Boutachkov, L.Corradi, F.Crespi, G.de Angelis, E.Fioretto, A.Gorgen, M.Gorska,
A.Gottardo, E.Grodner, A.Howard, W.Krolas, S.Leoni, P.Mason, R.Menegazzo,
D.Montanari, G.Montagnoli, D.R.Napoli, A.Obertelli, T.Pawlat, B.Rubio, E.Sahin,
F.Scarlassara, J.F.Smith, D.Steppenbeck, C.A.Ur, P.T.Wady, J.Wrzesinski
ibid., 485 (2009)

77) - "How does fusion hindrance show up in medium-light systems ? The case of $^{48}\text{Ca} + ^{48}\text{Ca}$ "

A.M. Stefanini, G. Montagnoli, R. Silvestri, L. Corradi, S.Courtin, E. Fioretto, B. Guiot,
F. Haas, D. Lebhertz, P. Mason, F. Scarlassara, S. Szilner
Phys. Lett. **B679**, 95 (2009)

78) - "Lifetime measurements of the neutron-rich $N=50$ isotones ^{50}Ca and ^{51}Sc : effective charges in the fp shell"

J.J.Valiente-Dobon, D.Mengoni, A.Gadea, E.Farnea, S.M.Lenzi, S.Lunardi,
A.Dewald, T.Pisulla, S.Szilner, A.M.Stefanini, R.Broda, F.Rechhia, A.Algora, L.Angus,
D.Bazzacco, G.Benzoni, P.G.Bizzeti, A.M.Bizzeti-Sona, P.Boutachkov, L.Corradi,
F.Crespi, G.de Angelis, E.Fioretto, A.Gorgen, M.Gorska, A.Gottardo, E.Grodner,
A.Howard, W.Krolas, S.Leoni, P.Mason, R.Menegazzo, D.Montanari, G.Montagnoli,
D.R.Napoli, A.Obertelli, T.Pawlat, B.Rubio, E.Sahin, F.Scarlassara, J.F.Smith,

D.Steppenbeck, C.A.Ur, P.T.Wady, J.Wrzesinski, E.Maglione, I.Hamamoto
Phys.Rev.Lett.**102** (2009) 242502

79) - “Evolution of deformation in the neutron-rich Krypton isotopes: The ^{96}Kr nucleus”
N.Marginean, D.Bucurescu, C.A.Ur, C.Mihai, L.Corradi, E.Farnea, D.Filipescu,
E.Fioretto, D.Ghita, B.Guiot, M.Gorska, M.Ionescu-Bujor, A.Iordachescu, D.Jelavic,
S.M.Lenzi, P.Mason, R.Marginean, D.Mengoni, G.Montagnoli, D.R.Napoli, S.Pascu,
G.Pollarolo, F.Recchia, A.M.Stefanini, R.Silvestri, T.Sava, F.Scarlassara, S.Szilner,
N.V.Zamfir
Phys.Rev. **C80**, 021301(R) (2009)

80) - “Lifetime measurements of neutron-rich nuclei around ^{48}Ca with the CLARA-
PRISMA setup”
D.Mengoni, J.J.Valiente-Dobon, E.Farnea, A.Gadea, A.Dewald, A.Latina and
the CLARA-PRISMA Collaboraton
Eur..Phys.J. **A42**, 387 (2009)

81) - “Near-barrier fusion and barrier distribution of $\text{Ni-58}+\text{Fe-54}$ ”
A.M. Stefanini, G. Montagnoli, L. Corradi, S. Courtin, E. Fioretto, A. Goasduff,
F. Haas, P. Mason, R. Silvestri, Pushpendra P. Singh, F. Scarlassara, S. Szilner
Phys.Rev. **C81**, 037601 (2010)

82) - “Evolution of the Ar isotopic chain: the $N=28$ shell gap south of ^{48}Ca ”
D. Mengoni, J.J. Valiente-Dobón, A. Gadea, S.M. Lenzi, S. Lunardi, R. Broda, A.
Dewald, T. Pissulla, L. Angus, S. Aydin, D. Bazzacco, G. Benzoni, P.G. Bizzeti, A.M.
Bizzeti-Sona, L. Corradi, F. Crespi, G. de Angelis, E. Farnea, E. Fioretto, A. Goergen,
A. Gottardo, E. Grodner, W. Królas, S. Leoni, P. Mason, D. Montanari, G.
Montagnoli, D.R. Napoli, A. Obertelli, T. Pawlat, G. Pollarolo, F. Recchia, A. Algora,
B. Rubio, E. Sahin, F. Scarlassara, J.F. Smith, A.M. Stefanini, S. Szilner, C.A. Ur,
P.T. Wady and J. Wrzesiński
Nucl.Phys. **A834**, 69c (2010)

83) - “Sub-barrier fusion hindrance in medium-light systems”
G. Montagnoli, F. Scarlassara, P. Mason, A.M. Stefanini, R. Silvestri, L. Corradi, E.
Fioretto, B. Guiot, S. Courtin, F. Haas, D. Lebhertz and S. Szilner
Nucl.Phys. **A834**, 159c (2010)

84) - “ γ -ray spectroscopy of ^{1738}Cl using grazing reactions”
D. O'Donnell, R. Chapman, X. Liang, F. Azaiez, F. Haas, S. Beghini, B. R. Behera,
M. Burns, E. Caurier, L. Corradi, D. Curien, A. N. Deacon, Z. S. Dombrádi, E. Farnea,
E. Fioretto, A. Gadea, A. Hodsdon, F. Ibrahim, A. Jungclaus, K. Keyes, A. Latina, N.
Mărginean, G. Montagnoli, D. R. Napoli, F. Nowacki, J. Ollier, A. Papenberg, G.
Pollarolo, M. -D. Salsac, F. Scarlassara, J. F. Smith, K. M. Spohr, M. Stanoiu, A. M.
Stefanini, S. Szilner, M.Trotta, J. J. Valiente-Dobon, D.Verney and Z. M. Wang
Phys. Rev. **C 81**, 024318 (2010)

85) - “Investigation of the reaction $^{64}\text{Ni} + ^{238}\text{U}$ being an option of synthesizing element 120”

E.M. Kozulin, G.N. Knyazheva I.M. Itkisa, M.G. Itkisa, A.A. Bogacheva, L.Kruppa, T.A. Lokteva, S.V. Smirnov, V.I. Zagrebaev, J. Äysto, W.H. Trzaska, V.A. Rubchenya, E. Vardaci, A.M. Stefanini, M. Cinausero, L. Corradi, E. Fioretto, P. Mason, G.F. Prete, R. Silvestri, S. Beghini, G. Montagnoli, F. Scarlassara, F. Hanappe, S.V. Khlebnikov, J. Kliman, A. Brondi, A. Di Nitto, R. Moro, N. Gelli and S. Szilner
Phys.Lett. **B686**, 227 (2010)

86) - “Spectroscopy of neutron-rich $^{168,170}\text{Dy}$: Yrast band evolution close to the NpNn valence maximum”

P.-A. Söderström, J. Nyberg, P. H. Regan, A. Algora, G. de Angelis, S. F. Ashley, S. Aydin, D. Bazzacco, R. J. Casperson, W. N. Catford, J. Cederkäll, R. Chapman, L. Corradi, C. Fahlander, E. Farnea, E. Fioretto, S. J. Freeman, A. Gadea, W. Gelletly, A. Gottardo, E. Grodner, C. Y. He, G. A. Jones, K. Keyes, M. Labiche, X. Liang, Z. Liu, S. Lunardi, N. Mărginean, P. Mason, R. Menegazzo, D. Mengoni, G. Montagnoli, D. Napoli, J. Ollier, S. Pietri, Zs. Podolyák, G. Pollarolo, F. Recchia, E. Şahin, F. Scarlassara, R. Silvestri, J. F. Smith, K.-M. Spohr, S. J. Steer, A. M. Stefanini, S. Szilner¹⁴, N. J. Thompson², G. M. Tveten^{7,15}, C. A. Ur⁵, J. J. Valiente-Dobón⁴, V. Werner, S. J. Williams, F. R. Xu, and J. Y. Zhu
Phys. Rev. **C81**, 034310 (2010)

87) - “ γ -ray spectroscopy of neutron-rich ^{40}S ”

Z. M. Wang, R. Chapman, X. Liang, F. Haas, F. Azaiez, B. R. Behera, M. Burns, E. Caurier, L. Corradi, D. Curien, A. N. Deacon, Zs. Dombrádi, E. Farnea, E. Fioretto, A. Gadea, A. Hodsdon, F. Ibrahim, A. Jungclaus, K. Keyes, V. Kumar, A. Latina, S. Lunardi, N. Mărginean, G. Montagnoli, D. R. Napoli, F. Nowacki, J. Ollier, D. O’Donnell, A. Papenberg, G. Pollarolo, M.-D. Salsac, F. Scarlassara, J. F. Smith, K. M. Spohr, M. Stanoiu, A. M. Stefanini, S. Szilner, M. Trotta, and D. Verney
Phys. Rev. **C81**, 054305 (2010)

88) - “Intruder negative-parity states of neutron-rich ^{33}Si ”

Z. M. Wang, R. Chapman, X. Liang, F. Haas, M. Bouhelal, F. Azaiez, B. R. Behera, M. Burns, E. Caurier, L. Corradi, D. Curien, A. N. Deacon, Zs. Dombrádi, E. Farnea, E. Fioretto, A. Gadea, A. Hodsdon, F. Ibrahim, A. Jungclaus, K. Keyes, V. Kumar, A. Latina, N. Mărginean, G. Montagnoli, D. R. Napoli, F. Nowacki, J. Ollier, D. O’Donnell, A. Papenberg, G. Pollarolo, M.-D. Salsac, F. Scarlassara, J. F. Smith, K. M. Spohr, M. Stanoiu, A. M. Stefanini, S. Szilner, M. Trotta, and D. Verney
Phys. Rev. **C81**, 064301 (2010)

89) – “Fusion hindrance for $^{58}\text{Ni} + ^{54}\text{Fe}$ ”

A. M. Stefanini, G. Montagnoli, L. Corradi, S. Courtin, E. Fioretto, A. Goasduff, F. Haas, P. Mason, R. Silvestri, Pushpendra P. Singh, F. Scarlassara, and S. Szilner
Phys. Rev. **C82**, 014614 (2010)

- 90) – “Proton-hole states in the $N = 30$ neutron-rich isotope ^{49}K ”
 R. Broda, J. Wrzesinski, A. Gadea, N. Marginean, B. Fornal, L. Corradi, A. M. Stefanini, W. Krolas, T. Pawlat, B. Szpak, S. Lunardi, J. J. Valiente-Dobon, D. Mengoni, E. Farnea, M. P. Carpenter, G. De Angelis, F. Della Vedova, E. Fioretto, B. Guiot, R. V. F. Janssens, P. F. Mantica, P. Mason, G. Montagnoli, D. R. Napoli, R. Orlandi, I. Pokrovskiy, G. Pollaro, E. Sahin, F. Scarlassara, R. Silvestri, S. Szilner, C. A. Ur, M. Trotta, and S. Zhu
 Phys. Rev. **C82**, 034319 (2010)
- 91) – “Fusion hindrance for Ca+Ca systems: Influence of neutron excess”
 C. L. Jiang, A. M. Stefanini, H. Esbensen, K. E. Rehm, L. Corradi, E. Fioretto, P. Mason, G. Montagnoli, F. Scarlassara, R. Silvestri, P. P. Singh, S. Szilner, X. D. Tang, and C. A. Ur
 Phys. Rev. **C82**, 041601(R) (2010)
- 92) – “Hindrance in the fusion of $^{48}\text{Ca} + ^{48}\text{Ca}$ ”
 H. Esbensen, C. L. Jiang, and A. M. Stefanini
 Phys. Rev. **C82**, 054621 (2010)
- 93) – “Response function of the magnetic spectrometer PRISMA”
 D. Montanari, E. Farnea, S. Leoni, G. Pollaro, L. Corradi, G. Benzoni, A. Gadea, E. Fioretto, A. Latina, G. Montagnoli, F. Scarlassara, A. M. Stefanini and S. Szilner
 Eur. Phys. J. **A** (2011) 47: 4
- 94) – “Sub-barrier fusion of $^{36}\text{S} + ^{64}\text{Ni}$ and other medium-light systems”
 G. Montagnoli, A. M. Stefanini, L. Corradi, S. Courtin, E. Fioretto, F. Haas, D. Lebhertz, F. Scarlassara, R. Silvestri, and S. Szilner
 Phys. Rev. **C82**, 064609 (2010)
- 95) – “Lifetime measurements of excited states in neutron-rich $^{44,46}\text{Ar}$ populated via a multinucleon transfer reaction”
 D. Mengoni, J. J. Valiente-Dobon, A. Gadea, S. Lunardi, S. M. Lenzi, R. Broda, A. Dewald, T. Pissulla, L. J. Angus, S. Aydin, D. Bazzacco, G. Benzoni, P. G. Bizzeti, A. M. Bizzeti-Sona, P. Boutachkov, L. Corradi, F. Crespi, G. de Angelis, E. Farnea, E. Fioretto, A. Goergen, M. Gorska, A. Gottardo, E. Grodner, A. M. Howard, W. Krolas, S. Leoni, P. Mason, D. Montanari, G. Montagnoli, D. R. Napoli, A. Obertelli, R. Orlandi, T. Pawlat, G. Pollaro, F. Recchia, A. Algora, B. Rubio, E. Sahin, F. Scarlassara, R. Silvestri, J. F. Smith, A. M. Stefanini, D. Steppenbeck, S. Szilner, C. A. Ur, P. T. Wady, and J. Wrzesinski
 Phys. Rev. **C82**, 024308 (2010)
- 96) – “Probing the nature of particle–core couplings in ^{49}Ca with γ spectroscopy and heavy-ion transfer reactions”
 D. Montanari, S. Leoni, D. Mengoni, G. Benzoni, N. Blasi, G. Bocchi, P. F. Bortignon, A. Bracco, F. Camera, G. Colò, A. Corsi, F. C. L. Crespi, B. Million, R. Nicolini, O. Wieland, J. J. Valiente-Dobon, L. Corradi, G. de Angelis, F. Della Vedova, E. Fioretto,

A. Gadea, D.R. Napoli, R. Orlandie, F. Recchia, E. Sahin, R. Silvestri, A.M. Stefanini,
P.P. Singh, S. Szilner, D. Bazzacco, E. Farnea, R. Menegazzo, A. Gottardo, S.M. Lenzi,
S. Lunardi, G. Montagnoli,
F. Scarlassara, C. Ur, G. Lo Bianco, A. Zucchiatti, M. Kmiecik, A. Maj, W. Meczynski,
A. Dewald, Th. Pissulla, G. Pollarolo
Phys. Lett. **B697**, 288 (2011)