

List of publications by Egle TOMASI-GUSTAFSSON

- [P237] **The first exploration of the physical Riemann surfaces of the ratio G_E^Λ/G_M^Λ**
A. Mangoni, S. Pacetti and E. Tomasi-Gustafsson
arXiv:2109.03759 [hep-ph].
- [P236] **Dynamical Properties of Baryons**
E. Tomasi-Gustafsson, A. Bianconi and S. Pacetti
doi:10.3390/sym13081480
Symmetry **13**, 1480 (2021).
- [P235] **The origin of the proton radius puzzle**
S. Pacetti and E. Tomasi-Gustafsson
doi:10.1140/epja/s10050-021-00398-8
Eur. Phys. J. A **57**, 72 (2021).
- [P234] **Possible studies at the first stage of the NICA collider operation with polarized and unpolarized proton and deuteron beams**
V. V. Abramov, A. Aleshko, V. A. Baskov, E. Boos, V. Bunichev, O. D. Dalkarov, R. El-Kholy, A. Galoyan, A. V. Guskov and V. T. Kim, *et al.*
arXiv:2102.08477 [hep-ph].
to appear in Phys. Part. Nucl.
- [P233] **Conceptual design of the Spin Physics Detector**
V. M. Abazov *et al.* [The NICA-SPD Collaboration]
arXiv:2102.00442 [hep-ex].
- [P232] **PANDA Phase One**
G. Barucca *et al.* [The PANDA Collaboration]
arXiv:2101.11877 [hep-ex]
doi:10.1140/epja/s10050-021-00475-y
Eur. Phys. J. A **57**, 184 (2021).
- [P231] **New fit of timelike proton electromagnetic formfactors from electron positron colliders**
E. Tomasi-Gustafsson, A. Bianconi and S. Pacetti
arXiv:2012.14656 [hep-ph]
doi:10.1103/PhysRevC.103.035203
Phys. Rev. C **103**, 035203 (2021).
- [P230] **Study of excited Ξ baryons with the $\overline{\text{P}}$ ANDA detector**
G. Barucca *et al.* [The PANDA Collaboration]
arXiv:2012.01776 [hep-ex]
doi:10.1140/epja/s10050-021-00444-5
Eur. Phys. J. A **57**, 149 (2021).
- [P229] **The potential of Λ and Ξ^- studies with PANDA at FAIR**
G. Barucca *et al.* [The PANDA Collaboration]
arXiv:2009.11582 [hep-ex]
doi:10.1140/epja/s10050-021-00386-y
Eur. Phys. J. A **57**, no.4, 154 (2021).
- [P228] **Diquark correlations in hadron physics: Origin, impact and evidence**
M. Y. Barabanov *et al.*

- arXiv:2008.07630 [hep-ph]
doi:10.1016/j.ppnp.2020.103835
Prog. Part. Nucl. Phys. **116**, 103835 (2021).
- [P227] **Feasibility studies for the measurement of time-like proton electromagnetic form factors from $\bar{p}p \rightarrow \mu^+\mu^-$ at $\bar{\text{P}}\text{ANDA}$ at FAIR**
G. Barucca *et al.* [The PANDA Collaboration]
arXiv:2006.16363 [hep-ex]
doi:10.1140/epja/s10050-020-00333-3
Eur. Phys. J. A **57**, 30 (2021).
- [P226] **Results of Measurements of the Analyzing Powers for Polarized Neutrons on C, CH₂ and Cu Targets for Momenta Between 3 and 4.2 GeV/c**
I. M. Sitnik *et al.* [The ALPOM2 Collaboration]
doi:10.1088/1742-6596/1435/1/012048
J. Phys. Conf. Ser. **1435**, 012048 (2020).
- [P225] **Radiative corrections in proton–antiproton annihilation to electron-positron and their application to the PANDA experiment**
Y. M. Bystritskiy, V. A. Zykunov, A. Dbeyssi, M. Zambrana, F. Maas and E. Tomasi-Gustafsson.
arXiv:1911.04137 [hep-ph]
doi:10.1140/epja/s10050-020-00063-6
Eur. Phys. J. A **56**, 58 (2020).
- [P224] **Dark photon manifestation in the triplet-like QED processes $\gamma + \ell_i \rightarrow \ell_j^+ \ell_j^- + \ell_i$, $i \neq j$, $i = e, \mu$, $j = e, \mu, \tau$**
G. I. Gakh, M. I. Konchatnij, N. P. Merenkov and E. Tomasi-Gustafsson
arXiv:1911.03945 [hep-ph]
doi:10.1103/PhysRevD.101.075049
Phys. Rev. D **101**, 7 (2020).
- [P223] **New evaluation of axial nucleon form factor from electron- and neutrino-scattering data and impact on neutrino-nucleus cross-section**
G. D. Megias, S. Bolognesi, M. B. Barbaro and E. Tomasi-Gustafsson
arXiv:1910.13263 [hep-ph]
doi:10.1103/PhysRevC.101.025501
Phys. Rev. C **101**, 025501 (2020).
- [P222] **Sensitivity of the elastic electron-proton cross section to the proton radius**
S. Pacetti and E. Tomasi-Gustafsson.
arXiv:1812.04444 [nucl-th]
doi:10.1140/epja/s10050-020-00076-1
Eur. Phys. J. A **56**, 74 (2020).
- [P221] **Measurement of neutron and proton analyzing powers on C, CH, CH₂ and Cu targets in the momentum region 3-4.2 GeV/c**
S. N. Basilev *et al.* [The ALPOM2 Collaboration]
arXiv:1908.06159 [nucl-ex]
doi:10.1140/epja/s10050-020-00032-z
Eur. Phys. J. A **56**, 26 (2020).
- [P220] **Symmetries in hadron physics**
E. Tomasi-Gustafsson.
DOI:10.1063/1.5124605
AIP Conf. Proc. **2150**, 040004 (2019).
- [P219] **Measurement of analysing powers for neutron scattering on CH₂, CH, C and Cu target for momenta from 3.0 to 4.2 GeV/c**
N. Piskunov *et al.* [The ALPOM2 Collaboration].
DOI:10.22323/1.346.0151
PoS SPIN **2018**, 151 (2019).

- [P218] **Critical analysis of recent results on electron and positron elastic scattering on proton**
E. Tomasi-Gustafsson and V. Bytev.
DOI:10.1051/epjconf/201920401009
EPJ Web Conf. **204**, 01009 (2019).
- [P217] Singh:2019jug **Technical design report for the \bar{P} ANDA Barrel DIRC detector**
B. Singh, *et al.* [The PANDA Collaboration]
doi:10.1088/1361-6471/aade3d
J. Phys. G **46**, 045001 (2019).
- [P216] **Technical design report for the \bar{P} ANDA Barrel DIRC detector**
B. Singh *et al.* [The PANDA Collaboration]
arXiv:1710.00684 [physics.ins-det]
DOI:10.1088/1361-6471/aade3d
J. Phys. G **46**, 045001 (2019).
- [P215] **Updated analysis of recent results on electron and positron elastic scattering on the proton**
V. V. Bytev and E. Tomasi-Gustafsson.
arXiv:1901.09379 [hep-ph]
DOI:10.1103/PhysRevC.99.025205
Phys. Rev. C **99**, 025205 (2019).
- [P214] **Precision resonance energy scans with the PANDA experiment at FAIR: Sensitivity study for width and line-shape measurements of the X(3872)**
G. Barucca *et al.* [The PANDA Collaboration]
arXiv:1812.05132 [hep-ex]
DOI:10.1140/epja/i2019-12718-2
Eur. Phys. J. A **55**, 42 (2019).
- [P213] **General analysis of polarization effects in coherent pseudoscalar photo- and electroproduction of mesons on the deuteron**
G. I. Gakh, A. G. Gakh and E. Tomasi-Gustafsson.
arXiv:1810.12117 [hep-ph]
DOI:10.1103/PhysRevC.100.025202
Phys. Rev. C **100**, 025202 (2019).
- [P212] **Soft rescattering in the timelike proton form factor within a spacetime scheme**
A. Bianconi and E. Tomasi-Gustafsson.
arXiv:1809.05709 [nucl-th]
DOI:10.1103/PhysRevC.98.055204
Phys. Rev. C **98**, 055204 (2018).
- [P211] **The \bar{P} ANDA experiment at FAIR: The world facility for QCD studies**
E. Tomasi-Gustafsson [PANDA Collaboration].
DOI:10.1007/s10751-018-1503-5
Hyperfine Interact. **239**, no. 1, 30 (2018).
- [P210] **Two-photon exchange: myth and history**
E. Tomasi-Gustafsson and S. Pacetti.
arXiv:1805.10868 [hep-ph]
DOI:10.1007/s00601-018-1416-5
Few Body Syst. **59**, no. 5, 91 (2018).
- [P209] **Leptonic radiative corrections to elastic deuteron-electron scattering**
G. I. Gakh, M. I. Konchatnij, N. P. Merenkov, V. N. Kharkov and E. Tomasi-Gustafsson.
arXiv:1804.01399 [hep-ph]
DOI:10.1103/PhysRevC.98.045212
Phys. Rev. C **98**, no. 4, 045212 (2018).

- [P208] **Polarization Transfer Observables in Elastic Electron Proton Scattering at $Q^2 = 2.5, 5.2, 6.8,$ and 8.5 GeV^2**
A. J. R. Puckett *et al.*
arXiv:1707.08587 [nucl-ex], JLAB-PHY-17-2533
DOI:10.1103/PhysRevC.98.019907, 10.1103/PhysRevC.96.055203
Phys. Rev. C **96**, no. 5, 055203 (2017), Erratum: [Phys. Rev. C **98**, no. 1, 019907 (2018)].
- [P207] **Technical Supplement to "Polarization Transfer Observables in Elastic Electron-Proton Scattering at $Q^2 = 2.5, 5.2, 6.8,$ and 8.5 GeV^2**
A. J. R. Puckett *et al.* [GEP-III, GEP-2Gamma Collaboration].
arXiv:1707.07750 [nucl-ex]
DOI:10.1016/j.nima.2018.09.022
Nucl. Instrum. Meth. A **910**, 54 (2018)
JLAB-PHY-18-2811
- [P206] **Antiproton-proton annihilation into light neutral meson pairs within an effective meson theory**
Y. Wang, Y. M. Bystritskiy, A. I. Ahmadov and E. Tomasi-Gustafsson
Phys. Rev. C **96**, no. 2, 025204 (2017)
DOI:10.1103/PhysRevC.96.025204
- [P205] Wang:2017rbm **Neutron polarimetry in the momentum range 1-6 GeV**
Y. Wang, D. Marchand, N. Piskunov and E. Tomasi-Gustafsson
DOI:10.1051/epjconf/201713801023
EPJ Web Conf. **138**, 01023 (2017).
- [P204] **Technical Design Report for the Panda Forward Spectrometer Calorimeter,"**
B. Singh *et al.* [The PANDA Collaboration],
ArXiv:1704.02713 [physics.ins-det].
- [P203] **New perspectives on hadron electromagnetic structure**
E. Tomasi-Gustafsson
DOI:10.1051/epjconf/201713801003
EPJ Web Conf. **138**, 01003 (2017).
- [P202] Tomasi-Gustafsson:2017pkl **Highlights in the hadron electromagnetic structure** E. Tomasi-Gustafsson, S. Pacetti and A. Bianconi, Bulg. J. Phys. **44**, (2017) 003.
- [P201] **Radiative corrections to elastic proton-electron scattering measured in coincidence**
G. I. Gakh, M. I. Konchatnij, N. P. Merenkov and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.95.055207
Phys. Rev. C **95**, 055207 (2017).
- [P200] **Fourth dimension of the nucleon structure: Spacetime analysis of the timelike electromagnetic proton form factors**
A. Bianconi and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.95.015204
Phys. Rev. C **95**, 015204 (2017).
- [P199] **Feasibility study for the measurement of πN transition distribution amplitudes at $\overline{\text{PANDA}}$ in $\bar{p}p \rightarrow J/\psi\pi^0$**
B. Singh *et al.* [The PANDA Collaboration]
DOI:10.1103/PhysRevD.95.032003
Phys. Rev. D **95**, 032003 (2017).
- [P198] **Threshold phenomenology of nucleon form factors**
R. Baldini Ferroli, S. Pacetti and E. Tomasi-Gustafsson
DOI:10.3969/j.issn.0253-2778.2016.04.008
J. Univ. Sci. Tech. China **46**, 308 (2016).

- [P197] **Form factor ratio from unpolarized elastic electron proton scattering**
S. Pacetti and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.94.055202
Phys. Rev. C, **94**, 055202 (2016).
- [P196] **Feasibility studies of time-like proton electromagnetic form factors at PANDA at FAIR**
B. Singh *et al.* [The PANDA Collaboration]
DOI:10.1140/epja/i2016-16325-5
Eur. Phys. J. A **52**, 325 (2016).
- [P195] **Phenomenological analysis of near threshold periodic modulations of the proton timelike form factor**
A. Bianconi and E. Tomasi-Gustafsson
arXiv:1510.06338 [nucl-th]
DOI:10.1103/PhysRevC.93.035201
Phys. Rev. C **93**, 035201 1 (2016).
- [P194] **Use of the calorimeter to improve analyzing power of the reactions, investigating secondary proton polarization**
S. N. Basilev *et al.* [The ALPOMII Collaboration],
DOI:10.1088/1742-6596/678/1/012053
J. Phys. Conf. Ser. **678**, 012053 (2016).
- [P193] **Periodic interference structures in the timelike proton form factor**
A. Bianconi and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevLett.114.232301
Phys. Rev. Lett. **114**, 232301, 1-5 (2015).
- [P192] **Proton electromagnetic form factors: Basic notions, present achievements and future perspectives**
S. Pacetti, R. Baldini Ferroli and E. Tomasi-Gustafsson
DOI:10.1016/j.physrep.2014.09.005
Phys. Rept. **550-551**, 1-103 (2015).
- [P191] **Experimental access to Transition Distribution Amplitudes with the PANDA experiment at FAIR**
B. P. Singh *et al.* [PANDA Collaboration].
DOI:10.1140/epja/i2015-15107-y
Eur. Phys. J. A **51**, 107-123 (2015).
- [P190] **Hard light meson production in (anti)proton-hadron collisions and charge-exchange reactions**
E. A. Kuraev, E. S. Kokouline and E. Tomasi-Gustafsson
DOI:10.1134/S1547477115010161
Phys. Part. Nucl. Lett. **12**, 1-7 (2015).
- [P189] **Model independent study of massive lepton elastic scattering on the proton, beyond the Born approximation**
G. I. Gakh, M. Konchatnyi, A. Dbeyssi and E. Tomasi-Gustafsson
DOI:10.1016/j.nuclphysa.2014.12.003
Nucl. Phys. A **934**, 52-73 (2014).
- [P188] **Measurement of analyzing power for the reaction $\vec{p}^+ \text{CH}_2$ at polarized proton momentum of 7.5 GeV/c (ALPOM2 proposal)**
V. P. Balandin *et al.*
DOI:10.1134/S1063779614010109
Phys. Part. Nucl. **45**, 330-333 (2014).
- [P187] **Polarization observables in lepton-deuteron elastic scattering including the lepton mass**
G. I. Gakh, A. G. Gakh and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.90.064901
Phys. Rev. C **90**, 064901, 1-13 (2014).

- [P186] **Radiative corrections for electron proton elastic scattering taking into account high orders and hard photon emission**
E. A. Kuraev, A. I. Ahmadov, Y. M. Bystritskiy and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.89.065207
Phys. Rev. C **89**, 065207, 1-16 (2014).
- [P185] **Technical design report for the PANDA (AntiProton Annihilations at Darmstadt) Straw Tube Tracker**
W. Erni *et al.* [PANDA Collaboration]
DOI:10.1140/epja/i2013-13025-8
Eur. Phys. J. A **49**, 25-129 (2013).
- [P184] **On the measurement of $\chi_2(^3P_2)$ quarkonium state in the processes $e^+ + e^- \rightarrow \bar{p} + p$ and $\bar{p} + p \rightarrow e^+ + e^-$**
E. A. Kuraev, Y. M. Bystritskiy, V. V. Bytev and E. Tomasi-Gustafsson
DOI:10.1016/j.nuclphysa.2013.10.009
Nucl. Phys. A **920**, 45-58 (2013).
- [P183] **Proton electron elastic scattering and the proton charge radius**
G. I. Gakh, A. Dbeyssi, E. Tomasi-Gustafsson, D. Marchand, A. Dbeyssi, E. Tomasi-Gustafsson, D. Marchand and V. V. Bytev
DOI:10.1134/S1547477113050099
Phys. Part. Nucl. Lett. **10**, 393-397 (2013).
- [P182] **Compilation and analysis of charge asymmetry measurements from electron and positron scattering on nucleon and nuclei**
E. Tomasi-Gustafsson, M. Osipenko, E. A. Kuraev and Y. Bystritskiy
DOI:10.1134/S106377881308022X
Phys. Atom. Nucl. **76**, 937-946 (2013).
- [P181] **Tests of optical glues for the PANDA electromagnetic calorimeter**
A. Dbeyssi *et al.*
DOI:10.1016/j.nima.2013.04.057
Nucl. Instrum. Meth. A **722**, 82-86 (2013).
- [P180] **General analysis and numerical estimations of polarization observables in $\bar{N} + N \rightarrow \pi + e^+ + e^-$ reaction in an exclusive experimental setup**
G. I. Gakh, E. Tomasi-Gustafsson, A. Dbeyssi and A. G. Gakh
DOI:10.1103/PhysRevC.86.025204
Phys. Rev. C **86**, 025204, 1-9 (2012).
- [P179] **Virtual Compton Scattering and the Generalized Polarizabilities of the Proton at $Q^2 = 0.92$ and 1.76 GeV^2**
H. Fonvielle *et al.* [Jefferson Lab Hall A Collaboration]
DOI:10.1103/PhysRevC.86.015210
Phys. Rev. C **86**, 015210,1-28 (2012).
- [P178] **Experimental constraint on the ρ^- meson form factors in the time-like region**
A. Dbeyssi, E. Tomasi-Gustafsson, G. I. Gakh and C. Adamuscin
DOI:10.1103/PhysRevC.85.048201
Phys. Rev. C **85**, 048201, 1-10 (2012).
- [P177] **Final Analysis of Proton Form Factor Ratio Data at $Q^2 = 4.0, 4.8$ and 5.6 GeV^2**
A. J. R. Puckett *et al.*
DOI:10.1103/PhysRevC.85.045203
Phys. Rev. C **85**, 045203, 1-26 (2012).
- [P176] **Proton-antiproton annihilation into massive leptons**
A. Dbeyssi, E. Tomasi-Gustafsson, G. I. Gakh and M. Konchatnyi.
DOI:10.1016/j.nuclphysa.2012.08.008
Nucl. Phys. A **894**, 20-40 (2012).

- [P175] **Polarization components in π^0 photoproduction at photon energies up to 5.6 GeV**
W. Luo *et al.* [GEP-III and GEP2gamma Collaborations]
DOI:10.1103/PhysRevLett.108.222004
Phys. Rev. Lett. **108**, 222004, 1-5 (2012).
- [P174] **A Model for space and time-like proton (neutron) form factors**
E. A. Kuraev, E. Tomasi-Gustafsson and A. Dbeyssi
DOI:10.1016/j.physletb.2012.04.073
Phys. Lett. B **712**, 240-245 (2012).
- [P173] **Influence of final state radiation in the process $e^+ + e^- \rightarrow \bar{p} + p(\gamma)$**
V. V. Bytev, E. A. Kuraev, E. Tomasi-Gustafsson and S. Pacetti
DOI:10.1103/PhysRevD.84.017301
Phys. Rev. D **84**, 017301, 1-8 (2011).
- [P172] **Measurement of tensor polarization of deuterons from ${}^3\text{He} \rightarrow d + p$ breakup at momenta from 4.60 to 5.66 GeV/c**
I. M. Sitnik *et al.*
DOI:10.1103/PhysRevC.84.034006
Phys. Rev. C **84**, 034006, 1-11 (2011).
- [P171] **Polarization effects in elastic proton-electron scattering**
G. I. Gakh, A. Dbeyssi, D. Marchand, E. Tomasi-Gustafsson and V. V. Bytev
DOI:10.1103/PhysRevC.84.015212
Phys. Rev. C **84**, 015212, 1-26 (2011).
- [P170] **Exact results in QED**
A. B. Arbuzov, V. V. Bytev, E. A. Kuraev, E. Tomasi-Gustafsson and Y. M. Bystritskiy
DOI:10.1134/S1063779611010023
Phys. Part. Nucl. **42**, 1-55 (2011).
- [P169] **Some QED processes: Light-by-light and Moeller scattering**
A. B. Arbuzov, V. V. Bytev, E. A. Kuraev, E. Tomasi-Gustafsson and Y. M. Bystritskiy
DOI:10.1134/S1063779611010047
Phys. Part. Nucl. **42**, 79-93 (2011).
- [P168] **Processes with heavy ion collisions**
A. B. Arbuzov, V. V. Bytev, E. A. Kuraev, E. Tomasi-Gustafsson and Y. M. Bystritskiy
DOI:10.1134/S1063779611010035
Phys. Part. Nucl. **42**, 55-79 (2011).
- [P167] **Analysis of polarization observables and radiative effects for the reaction $\bar{p} + p \rightarrow e^+ + e^-$**
G. I. Gakh, N. P. Merenkov and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.83.045202
Phys. Rev. C **83**, 045202, 1-20 (2011).
- [P166] **Annihilation of $\bar{p} + p \rightarrow e^+ + e^- + \pi^0$ and $\bar{p} + p \rightarrow \gamma + \pi^0$ through ω -meson intermediate state**
E. A. Kuraev, Y. M. Bystritskiy, V. V. Bytev, E. Tomasi-Gustafsson, A. Dbeyssi and E. Tomasi-Gustafsson
DOI:10.1134/S1063776112060064
J. Exp. Theor. Phys. **115**, 93-105 (2012).
- [P165] **Polarization effects in $\bar{N} + N \rightarrow \pi + \ell^+ + \ell^-$ reaction. General analysis and numerical estimations in an exclusive experimental setup**
G. I. Gakh, A. P. Rekalo, E. Tomasi-Gustafsson, J. Boucher and A. G. Gakh
DOI:10.1103/PhysRevC.83.025202
Phys. Rev. C **83**, 025202, 1-13 (2011).
- [P164] **Search for effects beyond the Born approximation in polarization transfer observables in $\bar{e}p$ elastic scattering**
M. Meziane *et al.* [GEP2gamma Collaboration].

DOI:10.1103/PhysRevLett.106.132501
Phys. Rev. Lett. **106**, 132501, 1-5 (2011).

- [P163] **Peripheral processes in QED at high energies**
A. B. Arbuzov, V. V. Bytev, E. A. Kuraev, E. Tomasi-Gustafsson and Y. M. Bystritskiy
DOI:10.1134/S1063779610050011
Phys. Part. Nucl. **41**, 593-635 (2010).
- [P162] **Radiative corrections to the Bhabha scattering**
A. B. Arbuzov, V. V. Bytev, E. A. Kuraev, E. Tomasi-Gustafsson and Y. M. Bystritskiy
DOI:10.1134/S1063779610050023
Phys. Part. Nucl. **41**, 636-689 (2010).
- [P161] **Structure function approach in QED for high energy processes**
A. B. Arbuzov, V. V. Bytev, E. A. Kuraev, E. Tomasi-Gustafsson and Y. M. Bystritskiy
DOI:10.1134/S1063779610030020
Phys. Part. Nucl. **41**, 394-424 (2010).
- [P160] **Bremsstrahlung mechanism of heavy vector meson production**
V. Bytev, E. Kuraev, E. Tomasi-Gustafsson and P. Wang
DOI:10.1103/PhysRevD.81.117501
Phys. Rev. D **81**, 117501, 1-4 (2010).
- [P159] **Radiative proton-antiproton annihilation to a lepton pair**
A. I. Ahmadov, V. V. Bytev, E. A. Kuraev and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevD.82.094016
Phys. Rev. D **82**, 094016, 1-27 (2010).
- [P158] **Recoil Polarization Measurements of the Proton Electromagnetic Form Factor Ratio to $Q^2 = 8.5 \text{ GeV}^2$**
A. J. R. Puckett *et al.*
DOI:10.1103/PhysRevLett.104.242301
Phys. Rev. Lett. **104**, 242301, 1-5 (2010).
- [P157] **Excitation of physical vacuum through $p\bar{p}$ annihilation in selected channels**
E. A. Kuraev and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevD.81.017501
Phys. Rev. D **81**, 017501, 1-3 (2010).
- [P156] **Bremsstrahlung and pair production processes at low energies, multi-differential cross section and polarization phenomena**
E. A. Kuraev, Y. M. Bystritskiy, M. Shatnev and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.81.055208
Phys. Rev. C **81**, 055208, 1-22 (2010).
- [P155] **The two photon exchange amplitude in ep and $e\mu$ elastic scattering: A Comparison**
E. A. Kuraev and E. Tomasi-Gustafsson
DOI:10.1134/S1547477110020019
Phys. Part. Nucl. Lett. **7**, 67-71 (2010).
- [P154] **General analysis of two-photon exchange in elastic electron - ^4He scattering and $e^+ + e^- \rightarrow \pi^+ + \pi^-$**
G. I. Gakh and E. Tomasi-Gustafsson
DOI:10.1016/j.nuclphysa.2010.03.005
Nucl. Phys. A **838**, 50-60 (2010).
- [P153] **Feasibility studies of the time-like proton electromagnetic form factor measurements with PANDA at FAIR**
M. Sudol *et al.*
DOI:10.1140/epja/i2010-10960-8
Eur. Phys. J. A **44**, 373-384 (2010).

- [P152] **Measuring the deviation from the Rutherford formula**
 E. A. Kuraev, M. Shatnev and E. Tomasi-Gustafsson
 DOI:10.1103/PhysRevC.80.018201
 Phys. Rev. C **80**, 018201, 1-4 (2009).
- [P151] **Relativistically invariant analysis of Delta-isobar production in deuteron electrodisintegration: $e^- + d \rightarrow e^- + \Delta + N$: General analysis of polarization effects**
 G. I. Gakh, E. Tomasi-Gustafsson and A. G. Gakh
 DOI:10.1016/j.aop.2009.03.010
 Annals Phys. **324**, 1897-1930 (2009).
- [P150] **Virtual Compton Scattering and Neutral Pion Electroproduction in the Resonance Region up to the Deep Inelastic Region at Backward Angles**
 G. Laveissiere *et al.* [JLab Hall A Collaboration]
 DOI:10.1103/PhysRevC.79.015201
 Phys. Rev. C **79**, 015201, 1-28 (2009).
- [P149] **Cross section of the processes $e^+ + e^- \rightarrow e^+ + e^-(\gamma)$, $\pi^+ + \pi^-(\gamma)$, $\mu^+ + \mu^-(\gamma)$, $\gamma + \gamma(\gamma)$ in the energy region $200 \text{ MeV} \leq 2E \leq 3 \text{ GeV}$**
 E. A. Kuraev, A. I. Ahmadov, S. N. Panov and E. Tomasi-Gustafsson
 DOI:10.1016/j.nuclphysa.2008.11.002
 Nucl. Phys. A **816**, 89-110 (2009).
- [P148] **Bremsstrahlung photon polarization for $ee^\pm \rightarrow (e\gamma)e^\pm$, and $ep \rightarrow (e\gamma)p$ high-energy collisions**
 S. Bakmaev, Y. M. Bystritskiy, E. A. Kuraev and E. Tomasi-Gustafsson
 DOI:10.1134/S0021364008050019
 JETP Lett. **87**, 227-232 (2008).
- [P147] **Cross-section and polarization observables for the reaction $e^+ + e^- \rightarrow a_1(1260) + \pi$**
 E. Tomasi-Gustafsson, G. I. Gakh and C. Adamuscin
 DOI:10.1103/PhysRevC.77.065214
 Phys. Rev. C **77**, 065214, 1-19 (2008).
- [P146] **Charge asymmetry for electron (positron)-proton elastic scattering at large angle**
 E. A. Kuraev, V. V. Bytev, S. Bakmaev and E. Tomasi-Gustafsson
 DOI:10.1103/PhysRevC.78.015205
 Phys. Rev. C **78**, 015205, 1-14 (2008).
- [P145] **Search for low mass exotic mesonic structures. Part II. Attempts to understand the experimental results**
 B. Tatischeff and E. Tomasi-Gustafsson
 DOI:10.1134/S1547477108050026
 Phys. Part. Nucl. Lett. **5**, 420-422 (2008).
- [P144] **Search for low mass exotic mesonic structures. Part I. Experimental results**
 B. Tatischeff and E. Tomasi-Gustafsson
 DOI:10.1134/S1547477108040055
 Phys. Part. Nucl. Lett. **5**, 363-370 (2008).
- [P143] **Search for two photon exchange from $e^+ + e^- \rightarrow p + \bar{p} + \gamma$ data**
 E. Tomasi-Gustafsson, E. A. Kuraev, S. Bakmaev and S. Pacetti
 DOI:10.1016/j.physletb.2007.11.031
 Phys. Lett. B **659**, 197-200 (2008).
- [P142] **Charge Form Factor and Cluster Structure of ${}^6\text{Li}$ Nucleus**
 G. Z. Krumova, E. Tomasi-Gustafsson and A. N. Antonov
 DOI:10.2478/s11534-008-0091-4
 Central Eur. J. Phys. **6**, 491-504 (2008).
- [P141] **Two-component model for the axial form factor of the nucleon**
 C. Adamuscin, E. Tomasi-Gustafsson, E. Santopinto and R. Bijker

DOI:10.1103/PhysRevC.78.035201
Phys. Rev. C **78**, 035201, 1-12 (2008).

- [P140] **Double logarithmical corrections to beam asymmetry in polarized electron-proton scattering**
E. Kuraev, S. Bakmaev, V. V. Bytev, Y. M. Bystritskiy and E. Tomasi-Gustafsson
DOI:10.1016/j.physletb.2007.08.068
Phys. Lett. B **655**, 196-199 (2007).
- [P139] **Polarization effects in the reaction $e^+ + e^- \rightarrow \rho^+ + \rho^-$ and determination of the ρ^- meson form factors in the time-like region**
C. Adamuscin, G. I. Gakh and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.75.065202
Phys. Rev. C **75**, 065202, 1-20 (2007).
- [P138] **Bremsstrahlung photon polarization for $ee^\pm \rightarrow (e\gamma)e^\pm$ and $ep \rightarrow (e\gamma)p$ high-energy collisions**
S. Bakmaev, Y. M. Bystritskiy, E. A. Kuraev and E. Tomasi-Gustafsson
arXiv:0705.0442 [hep-ph]
DOI:10.1134/S0021364008050019
JETP Lett. **87**, 227-232 (2008).
- [P137] **Radiative corrections to the deeply virtual Compton scattering electron tensor**
V. V. Bytev, E. A. Kuraev and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.77.055205
Phys. Rev. C **77**, 055205, 1-7 (2008).
- [P136] **Model independent analysis of polarization effects in elastic electron deuteron scattering in presence of two-photon exchange**
G. I. Gakh and E. Tomasi-Gustafsson
DOI:10.1016/j.nuclphysa.2007.11.001
Nucl. Phys. A **799**, 127-150 (2008).
- [P135] **Study of resonant processes for multi-pion production in $\bar{p} + p \rightarrow \ell^+ + \ell^- + n_\pi\pi$**
E. A. Kuraev, C. Adamuscin, E. Tomasi-Gustafsson and F. Maas
DOI:10.1016/j.physletb.2007.04.042
Phys. Lett. B **649**, 400-404 (2007).
- [P134] **Testing axial and electromagnetic nucleon form factors in time-like regions in the processes $\bar{p} + n \rightarrow \pi^- \ell^+ + \ell^-$ and $\bar{p} + p \rightarrow \pi^0 + \ell^+ + \ell^-$, $\ell = e, \mu$**
C. Adamuscin, E. A. Kuraev, E. Tomasi-Gustafsson and F. E. Maas
DOI:10.1103/PhysRevC.75.045205
Phys. Rev. C **75**, 045205, 1-23 (2007).
- [P133] **On radiative corrections for unpolarized electron proton elastic scattering**
E. Tomasi-Gustafsson
DOI:10.1134/S1547477107040012
Phys. Part. Nucl. Lett. **4**, 281-288 (2007).
- [P132] **Structure function method applied to polarized and unpolarized electron-proton scattering: A solution of the G_{Ep}/G_{Mp} discrepancy**
Y. M. Bystritskiy, E. A. Kuraev and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.75.015207
Phys. Rev. C **75**, 015207, 1-17 (2007).
- [P131] **Polarization effects in $e^+ + e^- \rightarrow \bar{d} + d$ and determination of time like deuteron form factors**
G. I. Gakh, E. Tomasi-Gustafsson, C. Adamuscin, S. Dubnicka and A. Z. Dubnickova
DOI:10.1103/PhysRevC.74.025202
Phys. Rev. C **74**, 025202, 1-19 (2006).
- [P130] **Target normal spin asymmetry and charge asymmetry for $e\mu$ elastic scattering and the crossed processes**

- E. A. Kuraev, V. V. Bytev, Y. M. Bystritskiy and E. Tomasi-Gustafsson
 DOI:10.1103/PhysRevD.74.013003
 Phys. Rev. D **74**, 013003, 1-22 (2006).
- [P129] **High energy inelastic electron hadron scattering, in peripheral kinematics. Sum rules for hadron form-factors**
 E. A. Kuraev, M. Secansky and E. Tomasi-Gustafsson
 DOI:10.1103/PhysRevD.73.125016
 Phys. Rev. D **73**, 125016, 1-18 (2006).
- [P128] **Two-component model for the deuteron electromagnetic structure**
 E. Tomasi-Gustafsson, G. I. Gakh and C. Adamuscin
 DOI:10.1103/PhysRevC.73.045204
 Phys. Rev. C **73**, 045204, 1-12 (2006).
- [P127] **General analysis of polarization phenomena in $e^+ + e^- \rightarrow N + \bar{N}$ for axial parametrization of two-photon exchange**
 G. I. Gakh and E. Tomasi-Gustafsson
 DOI:10.1016/j.nuclphysa.2006.03.009
 Nucl. Phys. A **771**, 169-183 (2006).
- [P126] **Θ^+ pentaquark parity from associative baryon production in πd collisions, $\pi^\pm + d \rightarrow \Theta^+ + \Sigma^\pm$**
 G. I. Gakh, A. P. Rekalov and E. Tomasi-Gustafsson
 DOI:10.1134/S1063778806050140
 Phys. Atom. Nucl. **69**, 909-914 (2006).
- [P125] **Asymptotic behavior of nucleon electromagnetic form-factors in time-like region**
 E. Tomasi-Gustafsson and G. I. Gakh
 DOI:10.1140/epja/i2005-10164-5
 Eur. Phys. J. A **26**, 285-291 (2005).
- [P124] **Measurement of analyzing powers for the reaction $\vec{p} + CH_2$ at $p_p = 1.75$ GeV/c - 5.3 GeV/c**
 L. S. Azhgirey, L.S. Azhgirey, V.A. Arefiev, I. Atanasov, S.N. Basilev, Yu.P. Bushuev, V.V. Glagolev, M.K. Jones, D.A. Kirillov, P.P. Korovin, G.J. Kumbartzki, P.K. Manyakov, J. Mu?insk?, L. Pentchev, C.F. Perdrisat, V. Punjabi, N.M. Piskunov, I.M. Sitnik, V.M. Slepnev, I.V. Slepnev, and E. Tomasi-Gustafsson.
 DOI:10.1016/j.nima.2004.08.111
 Nucl. Instrum. Meth. A **538**, 431-441 (2005).
- [P123] **Polarization effects in the reaction $\bar{p} + p \rightarrow e^+ + e^-$ in presence of two-photon exchange**
 G. I. Gakh and E. Tomasi-Gustafsson
 DOI:10.1016/j.nuclphysa.2005.07.002
 Nucl. Phys. A **761**, 120-131 (2005).
- [P122] **Nucleon electromagnetic form-factors and polarization observables in space-like and time-like regions**
 E. Tomasi-Gustafsson, F. Lacroix, C. Duterte and G. I. Gakh
 DOI:10.1140/epja/i2005-10030-6
 Eur. Phys. J. A **24**, 419-430 (2005).
- [P121] **Two-photon exchange and electromagnetic proton form-factors**
 E. Tomasi-Gustafsson
 nucl-th/0501043
 DOI:10.1016/j.nuclphysa.2005.03.027
 Nucl. Phys. A **755**, 277-280 (2005).
- [P120] **Search for evidence of two photon contribution in elastic electron proton data**
 E. Tomasi-Gustafsson and G. I. Gakh
 hep-ph/0412137
 DOI:10.1103/PhysRevC.72.015209
 Phys. Rev. C **72**, 015209,1-9 (2005).

- [P119] **Relativistically invariant analysis of polarization effects in exclusive deuteron electrodisintegration process**
 G. I. Gakh, A. P. Rekaló and E. Tomasi-Gustafsson
 hep-ph/0412112
 DOI:10.1016/j.aop.2005.03.006
 Annals Phys. **319**, 150-216 (2005).
- [P118] **Nucleon electromagnetic structure: Past, present, and future**
 E. Tomasi-Gustafsson
 hep-ph/0502007
 DOI:10.1393/ncc/i2005-10010-0
 Nuovo Cim. C **27**, 413 (2004).
- [P117] **Possible method for the determination of the neutron electric form factor based on a measurement of asymmetries for the process $\vec{d}(\vec{e}, e'n)p$**
 E. Tomasi-Gustafsson, G. I. Gakh, A. P. Rekaló and M. P. Rekaló
 DOI:10.1103/PhysRevC.70.025202
 Phys. Rev. C **70**, 025202 (2004).
- [P116] **P-parity of charm and strange particles in electroproduction processes, in collinear regime**
 M. P. Rekaló and E. Tomasi-Gustafsson
 DOI:10.1016/j.physletb.2004.08.037
 Phys. Lett. B **599**, 247 (2004).
- [P115] **Measurement of the generalized polarizabilities of the proton in virtual Compton scattering at $Q^2 = 0.92 \text{ GeV}^2$ and 1.76 GeV^2**
 G. Laveissiere *et al.* [Jefferson Lab Hall A Collaboration]
 DOI:10.1103/PhysRevLett.93.122001
 Phys. Rev. Lett. **93**, 122001 (2004).
- [P114] **Polarization observables in the processes $p + p \rightarrow \Theta^+ + \Sigma^+$ and $n + p \rightarrow \Theta^+ + \Lambda^0$, for any spin and parity of the Θ^+ hyperon in the threshold region**
 M. P. Rekaló and E. Tomasi-Gustafsson
 DOI:10.1140/epja/i2004-10026-8
 Eur. Phys. J. A **22**, 119 (2004).
- [P113] **Polarization phenomena in elastic $e^\pm N$ scattering, for axial parametrization of two photon exchange**
 M. P. Rekaló and E. Tomasi-Gustafsson
 DOI:10.1016/j.nuclphysa.2004.07.009
 Nucl. Phys. A **742**, 322 (2004).
- [P112] **Possible methods for the determination of the P-parity of the Θ^+ pentaquark in NN collisions**
 M. P. Rekaló and E. Tomasi-Gustafsson
 DOI:10.1016/j.physletb.2004.04.041
 Phys. Lett. B **591**, 225 (2004).
- [P111] **Exclusive photoproduction of charmed D^* vector mesons, $\gamma + N \rightarrow Y_c + \bar{D}^*$, $Y_c = \Lambda_c^+$ or Σ_c**
 E. Tomasi-Gustafsson and M. P. Rekaló
 DOI:10.1140/epja/i2004-10005-1
 Eur. Phys. J. A **21**, 469 (2004).
- [P110] **Model independent methods to measure the P parity of the Θ^+ pentaquark in photoproduction experiments**
 M. P. Rekaló and E. Tomasi-Gustafsson
 DOI:10.1088/0954-3899/30/10/011
 J. Phys. G **30**, 1459 (2004).

- [P109] **Complete experiment in $e^\pm N$ scattering in presence of two-photon exchange**
M. P. Rekalo and E. Tomasi-Gustafsson
DOI:10.1016/j.nuclphysa.2004.04.111
Nucl. Phys. A **740**, 271 (2004).
- [P108] **Polarization phenomena in open charm photoproduction processes**
E. Tomasi-Gustafsson and M. P. Rekalo
DOI:10.1103/PhysRevD.69.094015
Phys. Rev. D **69**, 094015 (2004).
- [P107] **Backward electroproduction of π^0 mesons on protons in the region of nucleon resonances at four momentum transfer squared $Q^2 = 1.0 \text{ GeV}^2$**
G. Laveissiere *et al.* [JLab Hall A Collaboration]
DOI:10.1103/PhysRevC.69.045203
Phys. Rev. C **69**, 045203 (2004).
- [P106] **Model independent properties of two photon exchange in elastic electron proton scattering**
M. P. Rekalo and E. Tomasi-Gustafsson
DOI:10.1140/epja/i2004-10039-3
Eur. Phys. J. A **22**, 331 (2004).
- [P105] **Observation of coherent π^0 electroproduction on deuterons at large momentum transfer**
E. Tomasi-Gustafsson, L. Bimbot, S. Danagoulian, K. Gustafsson, D. Mack, H. Mrktchyan and M. P. Rekalo
DOI:10.1134/1.1634323
Phys. Atom. Nucl. **66**, 2159 (2003), [Yad. Fiz. **66**, 2209 (2003)].
- [P104] **The $g_{V\sigma\gamma}$ coupling constants in hadron electrodynamics**
M. P. Rekalo and E. Tomasi-Gustafsson
DOI:10.1016/S0375-9474(03)01605-1
Nucl. Phys. A **725**, 116 (2003).
- [P103] **Sensitivity of pQCD deuteron structure to the nucleon form-factors**
M. P. Rekalo and E. Tomasi-Gustafsson
DOI:10.1140/epja/i2002-10115-8
Eur. Phys. J. A **16**, 563 (2003).
- [P102] **Threshold open charm production in nucleon-nucleon collisions**
M. P. Rekalo and E. Tomasi-Gustafsson
nucl-th/0210029
DOI:10.1140/epja/i2002-10123-8
Eur. Phys. J. A **16**, 575 (2003).
- [P101] **Scalar meson production in nucleon-nucleon collisions near threshold**
M. P. Rekalo and E. Tomasi-Gustafsson
DOI:10.1140/epja/i2003-10060-0
Eur. Phys. J. A **18**, 697 (2003).
- [P100] **Determination of the $g_{\rho\sigma\gamma}$ coupling constant through the process $\gamma + N \rightarrow N + V$ with circularly polarized photons**
M. P. Rekalo and E. Tomasi-Gustafsson
DOI:10.1016/S0375-9474(02)01403-3
Nucl. Phys. A **714**, 632 (2003).
- [P99] **The Reaction $\Delta + N \rightarrow N + N + \phi$ in ion-ion collisions**
M. P. Rekalo and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.67.044004
Phys. Rev. C **67**, 044004 (2003).
- [P98] **P-parity of charmed particles from associative photoproduction of D and D^* mesons**
M. P. Rekalo and E. Tomasi-Gustafsson

DOI:10.1103/PhysRevC.67.038501
Phys. Rev. C **67**, 038501 (2003).

- [P97] **Threshold J/Ψ production in nucleon-nucleon collisions**
M. P. Rekaló and E. Tomasi-Gustafsson
DOI:10.1088/1367-2630/4/1/368
New J. Phys. **4**, 68 (2002).
- [P96] **$^1g_{9/2}$, $^1f_{5/2}$, and $^1f_{7/2}$ neutron inner hole responses in ^{115}Sn and ^{119}Sn via the (d, \vec{t}) reaction at $E_d = 200$ MeV**
H. Langevin-Joliot *et al.*
DOI:10.1103/PhysRevC.66.054303
Phys. Rev. C **66**, 054303 (2002).
- [P95] **Neutral weak currents in pion electroproduction on the nucleon**
M. P. Rekaló, J. Arvieux and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.65.035501
Phys. Rev. C **65**, 035501 (2002).
- [P94] **Coherent π^0 electroproduction on the deuteron**
M. P. Rekaló, E. Tomasi-Gustafsson and J. Arvieux
DOI:10.1006/aphy.2001.6208
Annals Phys. **295**, 1 (2002).
- [P93] **The nucleon form-factors in space-like and time - like regions**
E. Tomasi-Gustafsson and M. P. Rekaló
DOI:10.1016/S0375-9474(01)01485-3
Nucl. Phys. A **699**, 152 (2002).
- [P92] **Associative charm photoproduction with circularly polarized photons**
M. P. Rekaló and E. Tomasi-Gustafsson
DOI:10.1016/S0370-2693(02)02190-1
Phys. Lett. B **541**, 101 (2002).
- [P91] **Considerations on rescattering effects for threshold photoproduction and electroproduction of π^0 on deuteron**
M. P. Rekaló and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.66.015203
Phys. Rev. C **66**, 015203 (2002).
- [P90] **T odd polarization observables in the photoproduction of charmed particles near threshold**
M. P. Rekaló and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevD.65.014010
Phys. Rev. D **65**, 014010 (2002).
- [P89] **Measurement of G_{E_p}/G_{M_p} in $\vec{e}p \rightarrow e\vec{p}$ to $Q^2 = 5.6$ GeV²**
O. Gayou *et al.* [Jefferson Lab Hall A Collaboration]
DOI:10.1103/PhysRevLett.88.092301
Phys. Rev. Lett. **88**, 092301 (2002).
JLAB-PHY-01-63
- [P88] **Polarization phenomena in hadronic and nuclear processes in threshold regime**
E. Tomasi-Gustafsson and M. P. Rekaló
Phys. Part. Nucl. **33**, 220 (2002), [Fiz. Elem. Chast. Atom. Yadra **33**, 436 (2002)]
- [P87] **Photoproduction of charmed vector mesons, $\gamma + N \rightarrow \mathcal{B}_c + \bar{D}^*$, with $\mathcal{B}_c = \Lambda_c$ or Σ_c**
M. P. Rekaló and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevD.65.074023
Phys. Rev. D **65**, 074023 (2002).

- [P86] **Search for evidence of asymptotic regime of nucleon electromagnetic form-factors from a compared analysis in space- and time-like regions**
 E. Tomasi-Gustafsson and M. P. Rekalo
 DOI:10.1016/S0370-2693(01)00312-4
 Phys. Lett. B **504**, 291 (2001).
- [P85] **Neutron electric form-factor at large momentum transfer**
 E. Tomasi-Gustafsson and M. P. Rekalo
 DOI:10.1209/epl/i2001-00330-9
 Europhys. Lett. **55**, 188 (2001).
- [P84] **Analyzing powers of inelastic dp scattering in the energy region of Delta and Roper resonances excitation**
 L. V. Malinina *et al.* [SPES4-pi Collaboration]
 DOI:10.1103/PhysRevC.64.064001
 Phys. Rev. C **64**, 064001 (2001).
- [P83] **Associative photoproduction of charmed particles near threshold**
 M. P. Rekalo and E. Tomasi-Gustafsson
 DOI:10.1016/S0370-2693(01)00016-8
 Phys. Lett. B **500**, 53 (2001).
- [P82] **Polarization phenomena in the reaction $p + \alpha \rightarrow p + \pi^0 + \alpha$**
 M. P. Rekalo and E. Tomasi-Gustafsson
 DOI:10.1103/PhysRevC.63.054001
 Phys. Rev. C **63**, 054001 (2001).
- [P81] **Measurement of the deuteron tensor polarization at the ${}^3\text{He} \rightarrow d + p$ vertex up to internal momenta of 0.43-GeV/c**
 I. Sitnik *et al.*
 DOI:10.1016/S0375-9474(99)00679-X
 Nucl. Phys. A **663**, 443 (2000).
- [P80] **The $\eta_c\gamma\gamma^*$ transition form-factor in the decay $\eta_c \rightarrow \gamma\ell^+\ell^-$ and in the crossed channels $\gamma e^- \rightarrow \eta_c e^-$ and $e^+e^- \rightarrow \eta_c\gamma$**
 E. Di Salvo, M. P. Rekalo and E. Tomasi-Gustafsson
 DOI:10.1007/s100520050022
 Eur. Phys. J. C **16**, 295 (2000).
- [P79] **Phenomenology of the deuteron electromagnetic form-factors**
 D. Abbott *et al.* [JLAB t20 Collaboration]
 DOI:10.1007/PL00013629
 Eur. Phys. J. A **7**, 421 (2000).
- [P78] **Measurement of tensor polarization in elastic electron deuteron scattering at large momentum transfer**
 D. Abbott *et al.* [JLAB t(20) Collaboration]
 DOI:10.1103/PhysRevLett.84.5053
 Phys. Rev. Lett. **84**, 5053 (2000).
- [P77] **Isoscalar spin excitation in ${}^{90}\text{Zr}$ and ${}^{208}\text{Pb}$**
 C. Djalali *et al.*
 DOI:10.1103/PhysRevC.59.118
 Phys. Rev. C **59**, 118 (1999).
- [P76] **Measurement of vector tensor spin transfer observables for the reaction $H(\vec{p}, \vec{d})\pi^+$ between 580 MeV and 1300 MeV**
 C. Furget *et al.*
 DOI:10.1016/S0375-9474(99)00302-4
 Nucl. Phys. A **655**, 495 (1999).

- [P75] **Search for evidence of two photon exchange in new experimental high momentum transfer data on electron deuteron elastic scattering**
M. P. Rekaló, E. Tomasi-Gustafsson and D. Prout
DOI:10.1103/PhysRevC.60.042202
Phys. Rev. C **60**, 042202 (1999).
- [P74] **A new target for the HYPOM polarimeter with plane LH_2 cells**
L. B. Golovanov, Y. Borzunov, N. M. Piskunov, A. P. Tsvinev, J. Ball, J. L. Sans and E. Tomasi-Gustafsson
DOI:10.1016/S0168-9002(99)00192-8
Nucl. Instrum. Meth. A **430**, 1 (1999).
- [P73] **Valence and inner hole responses via the $^{208}Pb(d,t)^{207}Pb$ reaction at $E_d = 200$ MeV and form factor dependence**
H. Langevin-Joliot *et al.*
DOI:10.1103/PhysRevC.58.2192
Phys. Rev. C **58**, 2192 (1998).
- [P72] **Polarization phenomena for low energy $d + ^3He$ collisions**
M. P. Rekaló and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.57.2870
Phys. Rev. C **57**, 2870 (1998).
- [P71] **Isoscalar spin observables in quasielastic deuteron scattering**
M. D. Holcomb *et al.*
DOI:10.1103/PhysRevC.57.1778
Phys. Rev. C **57**, 1778 (1998).
- [P70] **A high energy deuteron polarimeter to study the 3He structure**
E. Tomasi-Gustafsson, I. M. Sitnik, C. F. Perdrisat and M. P. Rekaló
DOI:10.1016/S0168-9002(97)00863-2
Nucl. Instrum. Meth. A **402**, 361 (1998).
- [P69] **Sensitivity of tensor analyzing power in the process $d + p \rightarrow d + X$ to the longitudinal isoscalar form-factor of the Roper resonance electroexcitation**
E. Tomasi-Gustafsson, M. P. Rekaló, R. Bijker, A. Leviatan and F. Iachello
DOI:10.1103/PhysRevC.59.1526
Phys. Rev. C **59**, 1526 (1999).
- [P68] **A Vector and tensor polarimeter for high-energy deuterons**
E. Tomasi-Gustafsson *et al.*
DOI:10.1016/S0168-9002(98)00790-6
Nucl. Instrum. Meth. A **420**, 90 (1999).
- [P67] **A Precise measurement of the deuteron elastic structure function $A(Q^2)$**
D. Abbott *et al.* [Jefferson Lab t(20) Collaboration]
DOI:10.1103/PhysRevLett.82.1379
Phys. Rev. Lett. **82**, 1379 (1999).
- [P66] **Measurement of the analyzing power A_{y0} for the reaction $H(\vec{p}, d)\pi^+$ between 1000 MeV and 1300 MeV**
J. Goy *et al.*
DOI:10.1103/PhysRevC.57.420
Phys. Rev. C **57**, 420 (1998).
- [P65] **Analyzing powers for the inclusive reaction of deuterons on carbon at energies between 0.175 GeV and 1.6 GeV**
V. P. Ladygin *et al.*
DOI:10.1016/S0168-9002(97)01135-2
Nucl. Instrum. Meth. A **404**, 129 (1998).

- [P64] **Strange particle production in nucleon nucleon collisions near threshold**
M. P. Rekaló, J. Arvieux and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.56.2238
Phys. Rev. C **56**, 2238 (1997).
- [P63] **Properties of η -meson production in nucleon nucleon collisions near threshold**
M. P. Rekaló, J. Arvieux and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.55.2630
Phys. Rev. C **55**, 2630 (1997).
- [P62] **OZI violation and polarization effects in nucleon-nucleon induced production of vector mesons**
M. P. Rekaló, J. Arvieux and E. Tomasi-Gustafsson
DOI:10.1007/s002180050227
Z. Phys. A **357**, 133 (1997).
- [P61] **Measurement of polarization observables in $\vec{d} + p \rightarrow \vec{p} + p + n$ reaction at $T_d = 2$ GeV**
S. L. Belostotsky *et al.*
DOI:10.1103/PhysRevC.56.50
Phys. Rev. C **56**, 50 (1997).
- [P60] **Polarization observables in the process $d + p \rightarrow d + X$ and electromagnetic form factors of $N \rightarrow N^*$ transitions**
M. P. Rekaló and E. Tomasi-Gustafsson
DOI:10.1103/PhysRevC.54.3125
Phys. Rev. C **54**, 3125 (1996).
- [P59] **A three-cell liquid hydrogen target for an extended focal plane polarimeter**
L. B. Golovanov *et al.*
DOI:10.1016/0168-9002(96)00438-X
Nucl. Instrum. Meth. A **381**, 15 (1996).
- [P58] **Direct measurement of the branching ratio for the decay of the eta meson into two photons**
R. Abegg *et al.*
DOI:10.1103/PhysRevD.53.11
Phys. Rev. D **53**, 11 (1996).
- [P57] **The reaction $\vec{d}p \rightarrow {}^3He\pi^0$ near threshold**
V. N. Nikulin *et al.*
DOI:10.1103/PhysRevC.54.1732
Phys. Rev. C **54**, 1732 (1996).
- [P56] **The Reactions $pd \rightarrow {}^3He\eta$ and $pd \rightarrow {}^3He\pi^+\pi^-$ near the η threshold**
B. Mayer *et al.*
DOI:10.1103/PhysRevC.53.2068
Phys. Rev. C **53**, 2068 (1996).
- [P55] **Search for the decays $\eta \rightarrow \mu e$ and $\eta \rightarrow e^+e^-$**
D. B. White *et al.*
DOI:10.1103/PhysRevD.53.6658
Phys. Rev. D **53**, 6658 (1996).
- [P54] **Isoscalar spin strength in ${}^{12}C$ measured in 400 MeV deuteron inelastic scattering**
B. N. Johnson *et al.*
DOI:10.1103/PhysRevC.51.1726
Phys. Rev. C **51**, 1726 (1995).
- [P53] **Measurement of the spin-flip probability for the ${}^{12}C(d \rightarrow d'){}^{12}C$ (12.7 MeV) reaction with a tensor polarimeter**
C. Furget *et al.*

- DOI:10.1103/PhysRevC.51.1562
Phys. Rev. C **51**, 1562 (1995).
- [P52] **Calibration of the polarimeter POMME with polarized deuterons at 1.8 GeV**
E. Tomasi-Gustafsson *et al.*
DOI:10.1016/0168-9002(95)00556-0
Nucl. Instrum. Meth. A **366**, 96 (1995).
- [P51] **Calibration of the polarimeter POMME at proton energies between 1.05 GeV and 2.4 GeV**
N. E. Cheung *et al.*
DOI:10.1016/0168-9002(95)00442-4
Nucl. Instrum. Meth. A **363**, 561 (1995).
- [P50] **Measurement of polarization transfer κ_0 and tensor analyzing power T_{20} in the backward elastic dp scattering**
V. Punjabi *et al.*
DOI:10.1016/0370-2693(95)00344-K
Phys. Lett. B **350**, 178 (1995).
- [P49] **Recent results on the isoscalar spin response in ^{40}Ca and ^{12}C**
M. Morlet *et al.*
DOI:10.1016/0375-9474(94)90849-4
Nucl. Phys. A **577**, 155 (1994).
- [P48] **Isoscalar spin responses of nuclei**
R. J. Peterson *et al.*
DOI:10.1016/0375-9474(94)90850-8
Nucl. Phys. A **577**, 161 (1994).
- [P47] **Experimental survey of the (d, t) reactions at $E_d=200$ MeV**
J. Van de Wiele *et al.*
DOI:10.1103/PhysRevC.50.2935
Phys. Rev. C **50**, 2935 (1994).
- [P46] **$^1\text{H}(d, 2p)n$ reaction at 2 GeV deuteron energy**
J. Ero *et al.*
DOI:10.1103/PhysRevC.50.2687
Phys. Rev. C **50**, 2687 (1994).
- [P45] **Polder: a tensor polarimeter for intermediate energy deuterons**
S. Kox *et al.*
DOI:10.1016/0168-9002(94)90588-6
Nucl. Instr. and Meth. **A346** (1994) 527.
- [P44] **Measurement of the branching ratio for the decay $\eta \rightarrow \mu^+\mu^-$**
R. Abegg *et al.*
DOI:10.1103/PhysRevD.50.92
Phys. Rev. D **50**, 92 (1994).
- [P43] **Spin determination of valence and inner hole states via the $^{208}\text{Pb}(\vec{d}, t)^{207}\text{Pb}$ reaction at $E_d=200$ MeV**
H. Langevin-Joliot *et al.*
DOI:10.1103/PhysRevC.47.1571
Phys. Rev. C **47**, 1571 (1993).
- [P42] **Measurement of the branching ratio for the decay $\eta \rightarrow \mu^+\mu^-$**
R. S. Kessler *et al.*
DOI:10.1103/PhysRevLett.70.892
Phys. Rev. Lett. **70**, 892 (1993).

- [P41] **Vector and tensor analyzing powers in the $^{208}\text{Pb}(\vec{d},t)^{207}\text{Pb}$ reaction at 200 and 360 MeV**
J. Van de Wiele *et al.*
DOI:10.1103/PhysRevC.46.1863
Phys. Rev. C **46**, 1863 (1992).
- [P40] **Isoscalar spin excitation in ^{40}Ca**
M. Morlet *et al.*
DOI:10.1103/PhysRevC.46.1008
Phys. Rev. C **46**, 1008 (1992).
- [P39] **Measurement of T_{20} in the inclusive breakup of 4.5 GeV polarized ^6Li**
V. Punjabi *et al.*
DOI:10.1103/PhysRevC.46.984
Phys. Rev. C **46**, 984 (1992).
- [P38] **Mechanisms of non-equilibrium light-particle emission in $^{32}\text{S}+\text{Ag}$ reactions at 30 AMeV/u**
R. Wada *et al.*
DOI:10.1016/0375-9474(92)90273-M
Nucl. Phys. A **539**, 316 (1992).
- [P37] **Intermediate mass fragments from $^{40}\text{Ar}+^{197}\text{Au}$: Transition from the incomplete fusion to the participant spectator regime**
U. Milkau *et al.*
DOI:10.1103/PhysRevC.44.1242
Phys. Rev. C **44**, 1242 (1991).
GSI-91-08
- [P36] **Energy dependence of 1^+ spin excitations in ^{28}Si**
A. Willis *et al.*
DOI:10.1103/PhysRevC.43.2177
Phys. Rev. C **43**, 2177 (1991).
- [P35] **Signatures for isoscalar spin transitions excited in (d, d') reactions**
M. Morlet *et al.*
DOI:10.1016/0370-2693(90)90887-C
Phys. Lett. B **247**, 228 (1990).
- [P34] **POMME: A medium-energy deuteron polarimeter based on semiinclusive d carbon scattering**
B. Bonin *et al.*
DOI:10.1016/0168-9002(90)90129-T
Nucl. Instrum. Meth. A **288**, 389 (1990).
- [P33] **Transient Times of Fission in $^{40}\text{Ar} + ^{232}\text{Th}$ Peripheral Collisions**
E. M. Eckert *et al.*
DOI:10.1103/PhysRevLett.64.2483
Phys. Rev. Lett. **64**, 2483 (1990).
- [P32] **Measurement of the Inclusive pC Analyzing Power and Cross-section in the 1 GeV Region and Calibration of the New Polarimeter Pomme**
B. Bonin *et al.*
DOI:10.1016/0168-9002(90)90128-S
Nucl. Instrum. Meth. A **288**, 379 (1990).
- [P31] **Temperatures and excitation energies of hot nuclei in the reactions of $^{32}\text{S}+\text{Ag}$ and $^{16}\text{O}+\text{Ag}$ at 30 MeV/nucleon**
R. Wada *et al.*
DOI:10.1103/PhysRevC.39.497
Phys. Rev. C **39**, 497 (1989).

- [P30] **High spin levels populated in multinucleon-transfer reactions with 480 MeV ^{12}C**
L. Kraus *et al.*
DOI:10.1103/PhysRevC.37.2529
Phys. Rev. C **37**, 2529 (1988).
- [P29] **One-nucleon stripping reactions to discrete levels induced by a 480 MeV ^{12}C beam on a ^{208}Pb target**
M. C. Mermaz *et al.*
DOI:10.1103/PhysRevC.37.1942
Phys. Rev. C **37**, 1942 (1988).
- [P28] **Study of the $^{129}\text{Xe} + \text{nat Ag}$, ^{197}Au systems at 23.7 and 27 MeV/u**
O. Granier *et al.*
DOI:10.1016/0375-9474(88)90476-9
Nucl. Phys. A **481**, 109 (1988).
- [P27] **Limiting temperatures of medium mass nuclei**
D. Fabris *et al.*
DOI:10.1016/0375-9474(87)90261-2
Nucl. Phys. A **471**, 351 (1987).
- [P26] **Spurious continuum effects on excited giant resonances**
M. Barranco, M. Pi, J. Nemeth, C. Ngô and E. Tomasi
DOI:10.1016/0375-9474(87)90420-9
Nucl. Phys. A **464**, 29 (1987).
- [P25] **α -emission temperatures, coulomb instabilities and nuclear cracking**
D. Fabris *et al.*
DOI:10.1016/0370-2693(87)90795-7
Phys. Lett. B **196**, 429 (1987).
- [P24] **Fission fragment-light particle coincidences and linear momentum transfer**
Y. Patin *et al.*
DOI:10.1016/0375-9474(86)90524-5
Nucl. Phys. A **457**, 146 (1986).
- [P23] **A simple leading particle explanation for linear momentum transfer systematics**
J. B. Natowitz, S. Leray, R. Lucas, C. Ngô, E. Tomasi, C. Volant
DOI: 10.1007/BF01290050
Z. Phys. **A325**, 467 (1986).
- [P22] **Model for the evolution of hot and compressed spherical nuclei.**
J. Nemeth, M. Barranco, C. Ngô, E. Tomasi
DOI: 10.1007/BF01313523
Z. Phys. **A323**, 419 (1986).
- [P21] **Correlated sources of heavy fragments in the Kr + Au reaction at 35 and 44 MeV/u**
G. Rudolf, *et al.*
DOI: 110.1103/PhysRevLett.57.2905
Phys. Rev. Lett. **57** (1986) 2905.
- [P20] **Time-dependent Thomas-Fermi approach to nuclear monopole oscillations**
M. Pi, M. Barranco, J. Nemeth, C. Ngô and E. Tomasi
DOI:10.1016/0370-2693(86)91143-3
Phys. Lett. B **166**, 1 (1986).
- [P19] **Experimental evidence of highly energy relaxed products in the 35 MeV/u Kr + Au reaction**
D. Dalili, *et al.*
DOI: 10.1007/BF01439911
Z. Phys. **A316**, 371 (1984).

- [P18] **Nucleon currents between highly excited nuclei. II. Influence of the relative motion**
M. Pi, X. Vinas, M. Barranco, G. La Rana, S. Leray, C. Ngô and E. Tomasi
DOI:10.1016/0375-9474(84)90071-X
Nucl. Phys. A **426**, 163 (1984).
- [P17] **Spherical time-dependent Thomas-Fermi calculation of the dynamical evolution of hot and compressed nuclei**
J. Nemeth, C. Ngô, M. Barranco, E. Tomasi
DOI: 10.1007/BF01411873
Z. Phys. **A320**, 691 (1985).
- [P16] **Investigation on linear momentum transfer in the 35 MeV/u Ar + U system**
S. Leray, *et al.*
DOI: 10.1007/BF01415733
Z. Phys. **A320**, 533 (1985).
- [P15] **Investigation of the $^{40}\text{Ar} + ^{197}\text{Au}$, ^{238}U systems at 44 MeV/u**
S. Leray *et al.*
DOI:10.1016/0375-9474(84)90079-4
Nucl. Phys. A **425**, 345 (1984).
- [P14] **Investigation of fast fission in the $^{35}\text{Cl} + ^{238}\text{U}$ system**
S. Leray *et al.*
DOI:10.1016/0375-9474(84)90304-X
Nucl. Phys. A **423**, 175 (1984).
- [P13] **The role of dynamics in the fusion of two heavy nuclei**
T. Suomijarvi, R. Lucas, C. Ngô, E. Tomasi, D. Dalili, J. Matuszek
DOI: 10.1007/BF02776043
Nuovo Cimento **82A**, 51 (1984).
- [P12] **Equilibration of the neutron-to-proton ratio for heavy asymmetric systems in heavy-ion collisions**
R. Lucas *et al.*
DOI:10.1016/0375-9474(84)90425-1
Nucl. Phys. A **413**, 516 (1984).
- [P11] **Momentum widths in the fragmentation of 32 MeV/u ^{10}B**
M. N. Namboodiri *et al.*
DOI:10.1103/PhysRevC.28.460
Phys. Rev. C **28**, 460 (1983).
- [P10] **Linear momentum transfer investigated in the $^{20}\text{Ne} + ^{197}\text{Au}$ and ^{209}Bi systems at 30 MeV/u**
G. La Rana *et al.*
DOI:10.1016/0375-9474(83)90317-2
Nucl. Phys. A **407**, 233 (1983).
- [P9] **Nucleon currents between highly excited nuclei**
M. Pi, M. Barranco, X. Vinas, C. Ngô and E. Tomasi
DOI:10.1016/0375-9474(83)90465-7
Nucl. Phys. A **406**, 325 (1983).
- [P8] **Investigation of linear momentum transfer in the Ne + Au system at 30 MeV/nucleon**
G. Nebbia, E. Tomasi, C. Ngô, X. S. Chen, G. La Rana *et al.*
DOI:10.1007/BF01415111
Z. Phys. **A311**, 247 (1983).
- [P7] **Remarks on the proximity scaling applied to heavy-ion interaction potentials**
M. Pi, M. Barranco, X. Vinas, C. Ngô, E. Tomasi and H. Ngô
DOI:10.1051/jphyslet:019830044016068500
J. Phys. Lett. **44**, L685 (1983).

- [P6] **Real part of the nuclear interaction potential between alpha or p and excited heavy nuclei**
X. S. Chen, C. Ngô, E. Tomasi, M. Barranco, X. Vinas and H. Ngô
DOI:10.1016/0375-9474(83)90341-X
Nucl. Phys. A **401**, 143 (1983).
- [P5] **Fast fission: A dissipative mechanism following sometimes fusion**
C. Ngô, C. Gregoire, B. Remaud and E. Tomasi
DOI:10.1016/0375-9474(83)90438-4
Nucl. Phys. A **400**, 259 (1983).
- [P4] **Calculation of interaction potentials between two heavy ions at finite temperature**
E. Tomasi, X. S. Chen, S. Leray, C. Ngô, M. Barranco, X. Vinas and H. Ngô
DOI:10.1016/0375-9474(82)90291-3
Nucl. Phys. A **389**, 69 (1982).
- [P3] **Fast fission phenomenon**
C. Gregoire, C. Ngô, E. Tomasi, B. Remaud and F. Scheuter
DOI:10.1016/0375-9474(82)90190-7
Nucl. Phys. A **387**, 37 (1982).
- [P2] **Macroscopic dynamics of the fusion process**
E. Tomasi, C. Gregoire, C. Ngô, B. Remaud
DOI:10.1051/jphyslet:01982004304011500
Journal de Phys., Lettres, **43**, 115 (1982).
- [P1] **Fusion excitation function of the 40 Ca + 40 Ca system close to the threshold**
E. Tomasi *et al.*
DOI:10.1016/0375-9474(82)90155-5
Nucl. Phys. A **373**, 341 (1982).