

List of Scientific Publications of Prof. Dr. M.N.H. Comsan

1. Studies of Proton Groups from the Reaction $^{19}\text{F}(d,p)^{20}\text{F}$.
By: A.Z. El-Behay, M.A. Farouk, V.J. Gontchar, V.A. Loutsik, M.H. Nassef and I.I. Zaloubovsky.
Nuclear Physics 56 (1964) 224.
2. The (d,α) Reaction on ^{19}F .
By: A.Z. El-Behay, M.A. Farouk, M.H. Nassef and I.I. Zaloubovsky.
Nuclear Physics 61 (1965) 282.
3. Measurement of the Thickness of Thin Foils.
By: M.A. Farouk, M.H. Nassef, A.Z. El-Behay and I.I. Zaloubovsky.
Nuclear Instruments and Methods 36 (1965) 210.
4. Studies of (d,α) and (d,d) Reactions on ^{32}S .
By: A.Z. El-Behay, M.A. Farouk, M.H. Nassef and I.I. Zaloubovsky.
Il Nuovo Cimento, Serie X 38 (1965) 52.
5. Investigation of $^{23}\text{Na}(d,\alpha)^{21}\text{Ne}$ Reaction.
By: A.Z. El-Behay, M.N.H. Comsan, M.A. Farouk, M.L. Jhingan and I.I. Zaloubovsky.
Il Nuovo Cimento, Serie X 38 (1965) 1082.
6. The (d,p) Reaction on Na^{23} at Deuteron Energies from 1.0 to 2.5 MeV.
By: A.Z. El-Behay, M.A. Farouk, M.L. Jhingan, M.H. Nassef and I.I. Zaloubovsky
Nuclear Physics 74 (1965) 225.
7. Study of the Angular Correlation of the $^{24}\text{Mg}(d,p\gamma)^{25}\text{Mg}$ Stripping Reaction.
By: M.A. Farouk, M.N.H. Comsan, A.Z. El-Behay and I.I. Zaloubovsky.
Atomkernenergie 12 (1967) 133.
8. Angular Correlation Measurements in the $^9\text{Be}(d,p\gamma)^{10}\text{Be}$ Reaction.
By: M.A. Farouk, M.N.H. Comsan, A.Z. El-Behay, A. El-Kamhawy, A.N. Lovov and A.I. Popov
Zeitschrift fur Physik 201 (1967) 52.
9. Angular Correlation Measurements in the $^{10}\text{B}(d,p\gamma)^{11}\text{B}$ Reaction.
By: M.N.H. Comsan, M.A. Farouk, A.A. El-Kamhawy and M.S.M. El-Tahawy, and A.N. Lovov
Zeitschrift fur Physik 212 (1968) 71.

10. Studies of the (d, α) Reaction on the ^{10}B and ^{11}B Nuclei in the Deuteron Energy Range (0.8 to 2.5 MeV).
By: M.N.H. Comsan, M.A. Farouk, A.A. El-Kamhawy, M.S.M. El-Tahawy and A.N. Lovov
Atomkernenergie 13 (1968) 415.
11. Angular Correlation Measurement in the $^{11}\text{B}(d,p\gamma)^{12}\text{B}$ Reaction.
By: M.N.H. Comsan, M.A. Farouk, A.A. El-Kamhawy, M.S.M. El-Tahawy, and A.N. Lovov
Zeitschrift fur Physik 212 (1968), 122.
12. The $^{20}\text{Ne}(d,p)^{21}\text{Ne}$ Reaction at Low Deuteron Energies.
By: M.N.H. Comsan, A.Z. El-Behay and M.A. Farouk.
Atomkernenergie 18 (1971) 317.
13. Nuclear Statistical Fluctuation Program (NCFL).
By: M.N.H. Comsan.
A.R.E. A.E.E./Rep. 148 (1972).
14. Spectroscopic Factors for the ^{11}B 6.76 MeV Level Using Realistic Optical Potentials.
By: M.N.H. Comsan
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15. Nuclear Reaction Kinematics Program (NCKN).
By: N.N.H. Comsan.
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16. Study of the $^{35}\text{Cl}(d,p)^{36}\text{Cl}$ Reaction at Low Deuteron Energies.
By: A.Z. El-Behay, M.N.H. Comsan and M.A. Farouk.
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17. Legendre Expansion and Coordinate Transformation.
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18. Fluctuation Study of the $^{34}\text{S}(d,p)^{35}\text{S}$ Reaction.
By: M.N.H. Comsan, M.A. Farouk and A.Z. El-Behay.
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19. A Four-Channel Mixer for the "RLDL34-9" Multichannel Analyzer.
By: M.N.H. Comsan and V.A. Lutsik
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20. Distant-Level Background Contribution to Charged-Particle Elastic Scattering by Even-Even Nuclei.
By: M.N.H. Comsan
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21. A. Fast-Slow Coincidence Circuit with Time Resolution in the Nano-Second Range.
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22. Spectroscopic Factor for the ^{20}F 0.655 MeV State From the $^{19}\text{F}(\text{d,p})^{20}\text{F}$ Reaction.
By: M.N.H. Comsan, A.A. El-Kamhawy, F. Asfour and M. Abd El-Fattah.
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24. ^{24}Na Spectroscopic Factors and the Structure of Some A=24 Nuclei.
By: M.N.H. Comsan and E.M. Sayed.
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25. Fluctuation Analysis of the Mg24+d Reaction Leading to Some Highly Excited States in Mg25.
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26. Fluctuation Analysis of the Reaction $^{32}\text{S}(\text{d},\alpha)^{30}\text{P}$.
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and M.A. Farouk.
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27. The Mechanism of the $^{31}\text{P}(\text{d},\text{p})^{32}\text{P}$ Reaction at Low Deuteron Energies.
By: M.N.H. Comsan
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28. The Mechanism of the Reaction $^{10}\text{B}(\text{d},\text{p})^{11}\text{B}$ at low Deuteron Energies.
By: M.N.H. Comsan, A.A. El-Kamhawy, M.A. Farouk and A.N. Oraby.
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29. Spin-Flip Probability in Resonance Inelastic Scattering.
By: M.N.H. Comsan
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30. Coulomb Stripping in the Reaction $^{52}\text{Cr}(d,p)^{53}\text{Cr}$.
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35. S-Neutron Transfer in (d,p) Stripping Reactions on Mg-Isotopes.
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36. Distorted Wave Born Approximation Analysis of $^{16}\text{O}(t,\infty)^{15}\text{N}$ Reaction.
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42. An Improved Algorithm for Mechanism Separation in Nuclear Reactions.
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Proceedings, 3rd Conference Nuclear Sciences & Applications, Cairo 11-15 Feb. 1984, p. 10.
43. Spectroscopic Factors of ^{29}Si Ground State.
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57. Motion of a Suspended Particle in a Viscous Fluid.
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6th Conference on Nuclear and Particle Physics, Luxor, 17-21 Nov. 2007, p. 159.
100. Characterization of Materials Used for Neutron Spectra Modification.
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- 102 Medical Proton Accelerator Project.
By: M.N.H. Comsan
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- 103 Wind Energy for Sustainable Development.
By: M.N.H. Comsan
3rd Environmental Physics Conference, Aswan, 19-23 Feb. 2008.
- 104 Excitation Functions of Proton Induced Reactions on ^{nat}Fe and Enriched ⁵⁷Fe with Particular Reference to the Production of ⁵⁷Co.
By: M. Al-Abyad, M.N.H. Comsan and S.M. Qaim
Applied Radiation and Isotopes 67 (2009) 122-128.
- 105 The Physics of Mo-99 Production.
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- 106 Radionuclides Produced by Proton Induced Reactions on In and Mn Targets at Low Energy.
By: M. Al-Abyad, H. Al-Shewaimy, A. Khalaf and M.N.H. Comsan
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By: M. Tohamy, M. Fayez-Hassan, S. Abdel-Ghany, S. Al-Minyawy, M.M. Abdel-Khalek and M.N.H. Comsan
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- 108 Nuclear Energy for Sustainable Development: Egypt a Case Study.
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- 110 Energy Sector and Climate Change.
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Last Updated: 12 Apr. 2019