

Publications in Journals

Experiment

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European Physical Journal C, 72 (11) pp. 1 - 20, 2012
Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions
2. *N. Al-Dahan, P.H. Regan, Zs. Podolyak, P.M. Walker, N. Alkhomashi, G.D. Dracoulis, G. Farrelly, J. Benlliure, S.B. Pietri, R.F. Casten, P.D. Stevenson, W. Gelletly, S.J. Steer, A.B. Garnsworthy, E. Casarejos, J. Gerl, H.J. Wollersheim, J. Grebosz, M. Gorska, I. Kojouharov, H. Schaffne, A. Algora, G. Benzoni, A. Blazhev, P. Boutachkov, A.M. Bruce, I.J. Cullen, A.M. Denis Bacelar, A.Y. Deo, M.E. Estevez, Y. Fujita, R. Hoischen, R. Kumar, S. Lalkovski, Z. Liu, P.J. Mason, C. Mihai, F. Molina, D. Mucher, B. Rubio, A. Tamii, S. Tashenov, J.J. Valiente-Dobon, P.J. Woods*
Phys. Rev. C85, 034301.
Multiple β - Decaying states in ^{194}Re : Shape evolution in neutron-rich osmium isotopes.
3. *S. Almaraz-Calderon, W.P. Tan, A. Aprahamian, M. Beard, G.P.A. Berg, B. Bucher, M. Couder, J. Gorres, S. O'Brien, D. Patel, A. Roberts, K. Sault, M. Wiescher, C.R. Brune, T.N. Massey, K. Fujita, K. Hatanaka, D. Ishiwaka, H. Matsubara, H. Okamura, H.J. Ong, Y. Sakemi, Y. Shimizu, T. Suzuki, Y. Tameshige, A. Tamii, J. Zenihiro, T. Kubo, Y. Namiki, Y. Ohkuma, Y. Shimbara, S. Suzuki, R. Watanabe, R. Yamada, T. Adachi, Y. Fujita, H. Fujita, M. Dozono, T. Wakasa*
Physical Review C, 86 (6) , art. no. 065805
Level structure of ^{30}S and its importance in the $^{26}\text{Si}(\alpha, p)^{29}\text{P}$ and $^{29}\text{P}(p, \gamma)^{30}\text{S}$ reaction rates
4. *Y. Arimoto, Y. Iwashita, T. Yoshioka, M. Kitaguchi, S. Imajo, H.M. Shimizu, K. Asahi, T. Ino, Y. Kamiya, K. Mishima, S. Muto, K. Sakai, T. Shima, K. Taketani, S. Yamashita, A. Yoshimi*
IEEE Transactions on Applied Superconductivity, 22 (3), art. no. 6156745, 2012.
Development of longitudinal-gradient magnet for time focusing of ultra-cold neutron with anisotropic inter-pole
5. *ATLAS Collaboration (Georges Aad (Freiburg U.) et al.)*
European Physical Journal C, 72 (10) pp. 1 - 24, 2012
Measurement of $W \pm Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector
6. *ATLAS Collaboration (Georges Aad (Freiburg U.) et al.)*
Physical Review D, 86 (9) , art. no. 091103, 2012
Search for resonant top quark plus jet production in $t\bar{t}$ + jets events with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV
7. *R. Chevrier, J.M. Daugas, L. Gaudefroy, Y. Ichikawa, H. Ueno, M. Hass, H. Haas, S. Cottenier, N. Aoi, K. Asahi, D.L. Balabanski, N. Fukuda, T. Furukawa, G. Georgiev,*

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Is the 7/21-isomer state of S43 spherical?

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Nuclear Matrix Element for Two Neutrino Double Beta Decay from ^{136}Xe
Journal of the Physical Society of Japan 81 (2012) 033201 1-4
9. *H. Ejiri, T. Shima*
Physical Review Special Topics - Accelerators and Beams, Volume 15, Issue 2, 024701
Resonant photonuclear isotope detection using medium-energy photon beam
10. *M. Freer, M. Itoh, T. Kawabata, H. Fujita, H. Akimune, Z. Buthelezi, J. Carter, R.W. Fearick, S. V. Foertsch, M. Fujiwara, U. Garg, N. Hashimoto, K. Kawase, S. Kishi, T. Murakami, K. Nakanishi, Y. Nakatsugawa, B.K. Nayak, R. Neveling, S. Okumura, S.M. Perez, P. Papka, H. Sakaguchi, Y. Sasamoto, F.D. Smit, J.A. Swartz, H. Takeda, S. Terashima, M. Uchida, I. Usman, Y. Yasuda, M. Yosoi, J. Zenihiro*
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Consistent analysis of the 2^+ excitation of the ^{12}C Hoyle state populated in proton and α -particle inelastic scattering
11. *C.L. Guo, G.L. Zhang, I. Tanihata, X.Y. Le*
Chinese Physics C, 36 (3) pp. 205-209, 2012
Simulation of $^{12}\text{C} + ^{12}\text{C}$ elastic scattering at high energy by using the Monte Carlo method
12. *S.H. Hwang, K. Hicks, J.K. Ahn, T. Nakano, D.S. Ahn, W.C. Chang, J.Y. Chen, S. Date, H. Ejiri, H. Fujimura, M. Fujiwara, S. Fukui, W. Gohn, T. Hotta, K. Imai, T. Ishikawa, K. Joo, Y. Kato, H. Kohri, Y. Kon, H.S. Lee, Y. Maeda, M. Miyabe, T. Mibe, Y. Morino, N. Muramatsu, Y. Nakatsugawa, M. Niiyama, H. Noumi, Y. Oh, Y. Ohashi, T. Ohta, M. Oka, J. Parker, C. Rangacharyulu, S.Y. Ryu, T. Sawada, Y. Sugaya, M. Sumihama, T. Tsunemi, M. Uchida, M. Ungaro, M. Yosoi*
Physical Review Letters, 108 (9), art. no. 092001
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13. *Y. Ichikawa, H. Ueno, Y. Ishii, T. Furukawa, A. Yoshimi, D. Kameda, H. Watanabe, N. Aoi, K. Asahi, D.L. Balabanski R. Chevrier, J.M. Daugas, N. Fukuda, G. Georgiev, H. Hayashi, H. Iijima, N. Inabe, T. Inoue, M. Ishihara, T. Kubo, T. Nanao, T. Ohnishi, K. Suzuki, M. Tsuchiya, H. Takeda, M.M. Rajabali*
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14. *Y. Iwamoto, M. Hagiwara, T. Matsumoto, A. Masuda, H. Iwase, H. Yashima, T. Shima, A. Tamii, T. Nakamura*
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Physical Review Letters, Physical Review Letters
Separation of pygmy dipole and M1 resonances in Zr90 by a High-resolution inelastic proton scattering near 0°
16. *D. Kameda, T. Kubo, T. Ohnishi, K. Kusaka, A. Yoshida, K. Yoshida, M. Ohtake, N. Fukuda, H. Takeda, K. Tanaka N. Inabe, Y. Yanagisawa, Y. Gono, H. Watanabe, H. Otsu, H. Baba, T. Ichihara, Y. Yamaguchi, M. Takechi, S. Nishimura, H. Ueno, A. Yoshimi, H. Sakurai, T. Motobayashi, T. Nakao, Y. Mizoi, M. Matsushita, K. Ieki, N. Kobayashi, K. Tanaka, Y. Kawada, N. Tanaka, S. Deguchi, Y. Satou, Y. Kondo, T. Nakamura, K. Yoshinaga, C. Ishii, H. Yoshii, Y. Miyashita, N. Uematsu, Y. Shiraki, T. Sumikama, J. Chiba, E. Ideguchi, A. Saito, T. Yamaguchi, I. Hachiuma, T. Suzuki, T. Moriguchi, A. Ozawa, T. Ohtsubo, M.A. Famiano, H. Geissel, A.S. Nettleton, O.B. Tarasov, D. Bazin, B.M. Sherrill, S.L. Manikonda, J.A. Nolen*
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Spallation Ultracold Neutron Source of Superfluid Helium below 1 K
19. *Y. Matsuda, H. Sakaguchi, H. Takeda, S. Terashima, J. Zenihiro, T. Kobayashi, T. Murakami, Y. Iwao, T. Ichihara, T. Suda, T. Ohnishi, Y. Watanabe, H. Otsu, K. Yoneda, Y. Satou, K. Ozeki, and M. Kanazawa*
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A search for ϕ meson nucleus bound state using antiproton annihilation on nucleus

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23. *M. Orii, H. Ueda, I. Maruyama*
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Giant monopole resonance in even-A Cd isotopes, the asymmetry term in nuclear incompressibility, and the "softness" of Sn and Cd nuclei
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26. *P. Puppe, A. Lennarz, T. Adachi, H. Akimune, H. Ejiri, D. Frekers, H. Fujita, Y. Fujita, M. Fujiwara, E. Ganioglu, E.-W. Grewe, K. Hatanaka, R. Hodak, C. Iwamoto, N.T. Khai, A. Okamoto, H. Okamura, P.P. Povinec, G. Susoy, T. Suzuki, A. Tamii, J.H. Thies, M. Yosoi*
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Theory

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Thesis

Doctor

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Study of He-II Spallation UCN Source

Master

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The study of the chemical potential dependence of the heavy quark potential by two-flavor lattice QCD