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## Publications

### Refereed journals

- [1] The  $^{12}\text{C}(^{16}\text{O},\gamma)^{28}\text{Si}$  radiative capture: structural aspects of the  $\gamma$  decay.  
**A. Goasduff**, S. Courtin, F. Haas, D. Lehbertz, D. G. Jenkins, C. Beck, J. Fallis, C. Ruiz, D. A. Hutcheon, P.-A. Amandruz, C. Davis, U. Hager, D. Ottewell, and G. Ruprecht.  
In preparation, Phys.Rev. C
- [2] AGATA demonstrator counting rate measurements for Plunger measurements.  
**A. Goasduff**, J. J. Valiente Dobòn, F. Haas, A. Gadea, G. de Angelis, A. Gottardo, D. Montanari, D. R. Napoli, A. Pipidis, E. Sahin, D. Mengoni, S. Lunardi, D. Bazzacco, E. Farnea, C. Michelagnoli, F. Recchia, and C. A. Ur.  
In preparation, Eur.Phys. J
- [3] Fusion of  $^{40}\text{Ca} + ^{40}\text{Ca}$  and other Ca + Ca systems near and below the barrier.  
G. Montagnoli, A. M. Stefanini, C. Jiang, H. Esbensen, L. Corradi, S. Courtin, E. Fioretto, **A. Goasduff**, F. Haas, A. F. Kifle, C. Michelagnoli, D. Montanari, T. Mijatović, K. E. Rehm, R. Silvestri, P. P. Singh, F. Scarlassara, S. Szilner, X. D. Tang, and C. A. Ur.  
Accepted for publication at Phys.Rev. C
- [4] Interplay between single-particle and collective excitations in argon isotopes populated by transfer reactions.  
S. Szilner, L. Corradi, F. Haas, D. Lehbertz, G. Pollarolo, C. A. Ur, L. Angus, S. Beghini, M. Bouhelal, R. Chapman, E. Caurier, S. Courtin, E. Farnea, E. Fioretto, A. Gadea, **A. Goasduff**, D. Jelavic-Malenica, V. Kumar, S. Lunardi, N. Marginean, P. Mason, D. Mengoni, G. Montagnoli, F. Nowacki, F. Recchia, E. Sahin, M.-D. Salsac, F. Scarlassara, R. Silvestri, J. F. Smith, N. Soic, A. M. Stefanini, and J. J. Valiente-Dobon.  
Phys.Rev. C **84**, 014325 (2011)
- [5] Near-barrier fusion and barrier distribution of  $^{58}\text{Ni}+^{54}\text{Fe}$ .  
A. M. Stefanini, G. Montagnoli, L. Corradi, S. Courtin, E. Fioretto, **A. Goasduff**, F. Haas, P. Mason, R. Silvestri, P. P. Singh, F. Scarlassara, and S. Szilner.  
Phys.Rev. C **81**, 037601 (2010)
- [6] 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, P. P. Singh, F. Scarlassara, and S. Szilner.  
Phys.Rev. C **82**, 014614 (2010)

### Conference proceedings

- [7]  $^{12}\text{C}+^{16}\text{O}$  sub-barrier radiative capture cross-section measurements.  
**A. Goasduff**, S. Courtin, F. Haas, D. Lehbertz, D. G. Jenkins, C. Beck, J. Fallis, C. Ruiz, D. A. Hutcheon, P.-A. Amandruz, C. Davis, U. Hager, D. Ottewell, and G. Ruprecht.  
EPJ Web of Conferences **17**, 06002 (2011)
- [8] Quasi-elastic reactions: an interplay of reaction dynamics and nuclear structure.  
S. Szilner, T. Mijatović, L. Corradi, G. Pollarolo, F. Haas, S. Courtin, E. Farnea, E. Fioretto, A. Gadea, **A. Goasduff**, D. Jelavić-Malenica, S. Lunardi, N. Marginean, G. Montagnoli, D. Montanari, F. Recchia, E. Sahin, F. Scarlassara, N. Soić, A. M. Stefanini, C. Ur, and J. J. Valiente-Dobón.  
EPJ Web of Conferences **17**, 03005 (2011)

- [9] Clusters in Light Nuclei.  
C. Beck, P. Papka, A. Sanchez i Zafra, S. Thummerer, F. Azaiez, P. Bednarczyk, S. Courtin, D. Curien, O. Dorvaux, **A. Goasduff**, D. Lebhertz, A. Nourreddine, M. Rousseau, M.-D. Salsac, W. von Oertzen, B. Gebauer, C. Wheldon, T. Kokalova, G. Efimov, V. Zhrebchevsky, C. Schulz, H. G. Bohlen, D. Kamanin, G. de Angelis, A. Gadea, S. Lenzi, D. R. Napoli, S. Szilner, M. Milin, W. N. Catford, D. G. Jenkins, and G. Royer.  
Acta Phys.Pol. **B42**, 747 (2011)
- [10] Radiative Capture in the  $^{12}\text{C}+^{16}\text{O}$  System: Structural versus Statistical Aspects of the Decay.  
S. Courtin, **A. Goasduff**, F. Haas, D. Lebhertz, D. G. Jenkins, P. A. Marley, D. A. Hutcheon, C. A. Davis, and C. Ruiz.  
Acta Phys.Pol. **B42**, 757 (2011)
- [11] Performances of the Future Multidetector PARIS Illustrated on the Radiative Capture Physics Case.  
D. Lebhertz, M. Ciemala, S. Courtin, **A. Goasduff**, F. Haas, D. G. Jenkins, M. Labiche, O. Roberts, and O. Stezowski.  
Acta Phys.Pol. **B42**, 721 (2011)
- [12] Probing the  $^{12}\text{C}-^{12}\text{C}$  and  $^{12}\text{C}-^{16}\text{O}$  molecular states by radiative capture reactions: present status and future.  
D. Lebhertz, S. Courtin, F. Haas, D. G. Jenkins, M. Ciemala, **A. Goasduff**, D. A. Hutcheon, M. Labiche, A. Michalon, O. Roberts, M.-D. Salsac, and O. Stezowski.  
Int.J.Mod.Phys. **E20**, 793 (2011)
- [13] Search for  $2d_{5/2}$  Neutron States in  $^{69}\text{Ni}$ .  
M. Moukaddam, G. Duchene, D. Beaumel, G. Burgunder, L. Caceres, E. Clement, D. Curien, F. Didierjean, B. Fernandez, C. Finck, F. Flavigny, S. Franchoo, J. Gibelin, S. Giron, A. Gillibert, **A. Goasduff**, S. Grevy, J. Guillot, F. Haas, F. Hammache, M. N. Harakeh, K. Kemper, V. Lapoux, Y. Matea, A. Matta, L. Nalpas, F. Nowacki, A. Obertelli, J. Pancin, L. Perrot, J. Piot, E. Pllumbi, R. Raabe, J. A. Scarpaci, N. de Sereville, K. Sieja, O. Sorlin, I. Stefan, C. Stoedel, and J. C. Thomas.  
Acta Phys.Pol. **B42**, 541 (2011)