

Liste de publications COURTIN Sandrine

Activités d'enseignement :

- ▶ Mécanique Quantique
- ▶ Matière Nucléaire et Particules Élémentaires
- ▶ Physique Stellaire
- ▶ Electromagnétisme
- ▶ Expériences sur plateformes EX²

Activités de Recherche, Travaux :

- ▶ Réactions nucléaires d'intérêt astrophysique
- ▶ Noyaux exotiques
- ▶ Etats moléculaires dans les noyaux

Articles :

- ▶ Phys.Rev. C **97**, 012801 (2017), C.L. Jiang *et al.*, Reaction Rate for Carbon Burning in Massive Stars.
- ▶ Phys.Rev. C **93**, 034604 (2016), D.Bourgin, C.Simeneil, S.Courtin and F.Haas. Microscopic study of $^{40}\text{Ca} + ^{58-64}\text{Ni}$ fusion reactions.
- ▶ Journ. Phys. G **42**, 034010 (2015), D. Jenkins and S. Courtin^[L-]_{SEP}, Weighing the evidence for clustering in nuclei, Focus Issue on Enhancing the interaction between nuclear experiment and theory through information and statistics (ISNET).
- ▶ Phys. Rev. C **90**, 044610 (2014), D. Bourgin, S. Courtin *et al.*, Barrier distributions and signatures of transfer channels in the $^{40}\text{Ca} + ^{58,64}\text{Ni}$ fusion reactions at energies around and below the Coulomb barrier.
- ▶ Phys. Rev. C **89**, 014305 (2014), A. Goasduff, S. Courtin *et al.*,^[L-]_{SEP} The $^{12}\text{C}(^{16}\text{O}, \gamma^{28}\text{Si})$ radiative capture reaction at sub-barrier energies.
- ▶ Phys. Rev. Lett. **113**, 052501 (2014), D. Montanari, L. Corradi, S. Szilner, G. Pollarolo, E. Fioretto, G. Montagnoli, F. Scarlassara, A. M. Stefanini, S. Courtin *et al.*,^[L-]_{SEP} Neutron pair transfer in $^{60}\text{Ni} + ^{116}\text{Sn}$ far below the Coulomb barrier.