

List of Publications A. Arneodo (1972-2010)

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- [2] *Zero contours and ρ dominance in low energy $\pi\pi$ scattering.*
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- [3] *Zero contours in low energy $K\pi$ scattering.*
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- [4] *Quantum effects in photodetection processes.*
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- [5] *Correlations between neutral and charged pions in multiparticle production.*
A. ARNEODO & J. KUBAR-ANDRE, Nuclear Physics **B 77**, 309 (1974)
- [6] *Kinematical effects, neutral cluster models and neutral charged pions correlations in multiparticle production.*
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- [7] *Charge dependent effects in azimuthal two-particle correlations and cluster production.*
A. ARNEODO & G. PLAUT, Nuclear Physics **B 97**, 51 (1975)
- [8] *Charge structure in rapidity space and cluster properties.*
A. ARNEODO & G. PLAUT, Proceedings of the VIth colloquium on “Multiparticle Reactions”, Oxford (1975)
- [9] *Cluster models against new and old experimental data on multiparticle production.*
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- [10] *What semi-inclusive data say about clusters.*
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- [14] *Strong decays of $Y(4.03)$ and $Y(4.16)$ as radial excitations of Charmonium.*
A. ARNEODO, J.L. FEMENIAS & F. GUERIN, Zeitschrift für Physik **C 3**, 37 (1979)
- [15] *Strong decays of the vector states of Charmonium.*
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Transitions to chaos and critical phenomena

- [16] *A renormalization group with periodic behavior.*
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- [17] *Transition to stochasticity for a class of forced oscillators.*
P. COULLET, C. TRESSER & A. ARNEODO, Phys. Lett. **72 A**, 268 (1979)
- [18] *Bifurcation and transition toward stochasticity for dissipative dynamical systems.*
P. COULLET, C. TRESSER et A. ARNEODO, "Intrinsic Stochasticity in Plasmas", eds. G. Laval & D. Gresillon, Orsay : Editions de Physique (1979) p. 341
- [19] *On the existence of hysteresis in a transition to chaos after a single bifurcation.*
C. TRESSER, P. COULLET & A. ARNEODO, J. Phys. Lett. (Paris) **41**, 243 (1980)
- [20] *Topological horseshoe and numerically observed chaotic behaviour in the Henon mapping.*
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- [26] *Oscillators with chaotic behavior: an illustration of a theorem by Shilnikov.*
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- [27] *Occurrence of strange attractors in three-dimensional Volterra equations.*
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- [44] *Interactions non-linéaires entre instabilités dans les systèmes loin de l'équilibre thermodynamique.*
A. ARNEODO, "Instabilités Hydrodynamiques et Applications Astrophysiques", ed. A. Baglin (Société Française des Spécialités d'Astronomie, Paris, 1983) p. 229

- [45] *A mechanism for a soft mode instability.*
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- [53] *Transitions to chaos in a finite macroscopic system: direct numerical simulations versus normal form predictions.*
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The Belousov-Zhabotinskii reaction: a paradigm for theoretical studies of dynamical systems

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Fractals and multifractals

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