

underlying quark and gluon dynamics, even if an effective low energy theory that inherits the fundamental QCD symmetries also exists.

- [15] J. Polchinski and M. J. Strassler, “Hard scattering and gauge/string duality,” *Phys. Rev. Lett.* **88**, 031601 (2002) [[arXiv:hep-th/0109174](#)].
- [16] S. J. Brodsky and G. R. Farrar, “Scaling Laws at Large Transverse Momentum,” *Phys. Rev. Lett.* **31**, 1153 (1973); V. A. Matveev, R. M. Muradian and A. N. Tavkhelidze, “Automodellism in the Large-Angle Elastic Scattering and Structure of Hadrons,” *Lett. Nuovo Cim.* **7**, 719 (1973).
- [17] A. Karch, E. Katz, D. T. Son and M. A. Stephanov, “Linear Confinement and AdS/QCD,” *Phys. Rev. D* **74**, 015005 (2006) [[arXiv:hep-ph/0602229](#)].
- [18] O. Andreev and V. I. Zakharov, “Heavy-quark potentials and AdS/QCD,” *Phys. Rev. D* **74**, 025023 (2006) [[arXiv:hep-ph/0604204](#)].
- [19] S. D. Glazek and M. Schaden, “Gluon Condensate Induces Confinement in Mesons and Baryons,” *Phys. Lett. B* **198**, 42 (1987).
- [20] T. Gherghetta, J. I. Kapusta and T. M. Kelley, “Chiral symmetry breaking in the soft-wall AdS/QCD model,” *Phys. Rev. D* **79** (2009) 076003 [[arXiv:0902.1998 \[hep-ph\]](#)].
- [21] F. Zuo, “Improved Soft-Wall model with a negative dilaton,” [arXiv:0909.4240 \[hep-ph\]](#). See also S. S. Afonin, “Holographic models for planar QCD without AdS/CFT correspondence,” [arXiv:1001.3105 \[hep-ph\]](#).
- [22] J. Erlich, E. Katz, D. T. Son and M. A. Stephanov, “QCD and a holographic model of hadrons,” *Phys. Rev. Lett.* **95**, 261602 (2005) [[arXiv:hep-ph/0501128](#)].
- [23] L. Da Rold and A. Pomarol, “Chiral symmetry breaking from five dimensional spaces,” *Nucl. Phys. B* **721**, 79 (2005) [[arXiv:hep-ph/0501218](#)]; “The scalar and pseudoscalar sector in a five-dimensional approach to chiral symmetry breaking,” *JHEP* **0601**, 157 (2006) [[arXiv:hep-ph/0510268](#)].
- [24] S. J. Brodsky and G. F. de Teramond, “Light-front hadron dynamics and AdS/CFT correspondence,” *Phys. Lett. B* **582**, 211 (2004) [[arXiv:hep-th/0310227](#)].
- [25] P. A. M. Dirac, “Forms of Relativistic Dynamics,” *Rev. Mod. Phys.* **21**, 392 (1949).
- [26] S. J. Brodsky, H. C. Pauli and S. S. Pinsky, “Quantum Chromodynamics and Other Field Theories on the Light Cone,” *Phys. Rept.* **301**, 299 (1998) [[arXiv:hep-ph/9705477](#)].
- [27] D. E. Soper, “The Parton Model and the Bethe-Salpeter Wave Function,” *Phys. Rev. D* **15**,