List of Publications — Lance Dixon

1. L. J. Dixon and C. Duhr, "Antipodal self-duality of square fishnet graphs," Phys. Rev. D **111**, no. 10, L101901 (2025) [arXiv:2502.00862 [hep-th]].

2. T. Cai, F. Charton, K. Cranmer, L. J. Dixon, G. W. Merz and M. Wilhelm, "Recurrent features of amplitudes in planar $\mathcal{N} = 4$ super Yang-Mills theory," JHEP **04**, 143 (2025) [arXiv:2501.05743 [hep-th]].

3. L. J. Dixon and A. Morales, "Rational QCD loop amplitudes and quantum theories on twistor space," JHEP **03**, 188 (2025) [arXiv:2411.10967 [hep-th]].

4. L. J. Dixon and S. Xin, "A two-loop four-point form factor at function level," JHEP **01**, 012 (2025) [arXiv:2411.01571 [hep-th]].

5. B. Basso, L. J. Dixon and A. G. Tumanov, "The three-point form factor of $\mathrm{Tr}\,\phi^3$ to six loops," JHEP **02**, 034 (2025) [arXiv:2410.22402 [hep-th]].

6. L. J. Dixon and A. Morales, "On gauge amplitudes first appearing at two loops," JHEP **08**, 129 (2024) [arXiv:2407.13967 [hep-th]].

7. T. Cai, G. W. Merz, F. Charton, N. Nolte, M. Wilhelm, K. Cranmer and L. J. Dixon, "Transforming the bootstrap: using transformers to compute scattering amplitudes in planar $\mathcal{N} = 4$ super Yang-Mills theory," Mach. Learn. Sci. Tech. **5**, no.3, 035073 (2024) [arXiv:2405.06107 [cs.LG]].

8. L. J. Dixon and Y.-T. Liu, "An eight loop amplitude via antipodal duality," JHEP **09**, 098 (2023) [arXiv:2308.08199 [hep-th]].

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10. B. Basso, L. J. Dixon, Y.-T. Liu and G. Papathanasiou, "An origin story for amplitudes," Phys. Rev. Lett. **130**, no.11, 111602 (2023) [arXiv:2211.12555 [hep-th]].

11. N. Arkani-Hamed, L. J. Dixon, A. J. McLeod, M. Spradlin, J. Trnka and A. Volovich, "Solving scattering in $\mathcal{N} = 4$ super-Yang-Mills theory," (submission to Snowmass) [arXiv:2207.10636 [hep-th]].

12. E. P. Byrne, V. Del Duca, L. J. Dixon, E. Gardi and J. M. Smillie, "One-loop central-emission vertex for two gluons in $\mathcal{N} = 4$ super Yang-Mills theory," JHEP **08**, 271 (2022) [arXiv:2204.12459 [hep-ph]].

13. L. J. Dixon, Ö. Gürdoğan, A. J. McLeod and M. Wilhelm, "Bootstrapping a stress-tensor form factor through eight loops," JHEP **07**, 153 (2022) [arXiv:2204.11901 [hep-th]].

14. V. Del Duca and L. J. Dixon, "The SAGEX review on scattering amplitudes, chapter 15: the multi-Regge limit," J. Phys. A **55**, no.44, 443016 (2022) [arXiv:2203.13026 [hep-th]].

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