

Papers by BADIS YDRI

1. **“The multitrace matrix model: An alternative to Connes NCG and IKKT model”**
B. Ydri.
arXiv:1608.02758 [hep-th]
2. **“Emergent fuzzy geometry and fuzzy physics in 4 dimensions”**
B. Ydri, R. Ahlam and R. Khaled.
arXiv:1607.08296 [hep-th]
3. **“Geometry in transition in four dimensions: A model of emergent geometry in the early universe and dark energy”**
B. Ydri, R. Khaled and R. Ahlam.
arXiv:1607.06761 [hep-th]
4. **“Fundamental Physics”**
B. Ydri.
arXiv:1603.03764 [physics.class-ph]
5. **“Lectures on Matrix Field Theory I”**
B. Ydri.
arXiv:1603.00924 [hep-th]
6. **“Phase diagrams of the multitrace quartic matrix models of noncommutative Φ^4 theory”**
B. Ydri, K. Ramda and A. Rouag.
arXiv:1509.03726 [hep-th]
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7. **“Wilson RG of Noncommutative Φ_4^4 ”**
B. Ydri, R. Ahmim and A. Bouchareb.
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8. **“Emergent geometry from random multitrace matrix models”**
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9. **“Computational Physics: An Introduction to Monte Carlo Simulations of Matrix Field Theory”**
B. Ydri.
arXiv:1506.02567 [hep-lat]
10. **“A Multitrace Approach to Noncommutative Φ_2^4 ”**
B. Ydri.
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11. **“Remarks on the eigenvalues distributions of $D \leq 4$ Yang-Mills matrix models”**
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12. **“New algorithm and phase diagram of noncommutative ϕ^4 on the fuzzy sphere”**
B. Ydri.
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13. **“On the Problem of Vacuum Energy in FLRW Universes and Dark Energy”**
B. Ydri and A. Bouchareb.
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14. **“Matrix model fixed point of noncommutative ϕ^4 theory”**
B. Ydri and R. Ahmim.
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15. **“Impact of Supersymmetry on Emergent Geometry in Yang-Mills Matrix Models II”**
B. Ydri.
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16. **“The fate of the Wilson-Fisher fixed point in non-commutative ϕ^4 ”**
B. Ydri and A. Bouchareb.
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17. **“Impact of Supersymmetry on Emergent Geometry in Yang-Mills Matrix Models”**
B. Ydri.
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18. **“New Phenomena in NC Field Theory and Emergent Spacetime Geometry”**
B. Ydri.
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19. **“Matrix Models, Gauge Theory and Emergent Geometry”**
R. Delgadillo-Blando, D. O’Connor and B. Ydri.
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20. **“Geometry in Transition: A Model of Emergent Geometry”**
R. Delgadillo-Blando, D. O’Connor and B. Ydri.
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21. **“A Proposal for a Non-Perturbative Regularization of N=2 SUSY 4D Gauge Theory”**
B. Ydri.
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22. **“Notes on noncommutative supersymmetric gauge theory on the fuzzy supersphere”**
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23. **“Topology change from quantum instability of gauge theory on fuzzy CP**2”**
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24. **“Quantum Equivalence of NC and YM Gauge Theories in 2D and Matrix Theory”**
B. Ydri.
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25. **“Towards Noncommutative Fuzzy QED”**
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27. **“Monte Carlo Simulation of a NC Gauge Theory on The Fuzzy Sphere”**
D. O’Connor and B. Ydri.
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35. **“New scaling limit for fuzzy spheres”**
S. Vaidya and B. Ydri.
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36. **“Chiral symmetry on $S(F)^{**2}$ ”**
G. Immirzi and B. Ydri.
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37. **“Fuzzy physics”**
B. Ydri.
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38. **“Fuzzy nontrivial gauge configurations”**
B. Ydri.
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