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## **Playing dice with the universe: Bayesian statistical analyses of cosmological models and new observables**

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### **Citation**

Cañas Herrera, G. (2022, October 19). *Playing dice with the universe: Bayesian statistical analyses of cosmological models and new observables*. *Casimir PhD Series*. Retrieved from <https://hdl.handle.net/1887/3483658>

Version: Publisher's Version

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**Note:** To cite this publication please use the final published version (if applicable).

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