

# Stanford

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## Edgard Bonilla Carrasquel

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### Bio

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#### STANFORD ADVISORS

- Robert Byer, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Noise requirements of the cryogenic shielding for next generation cryocooled gravitational wave observatories: Newtonian noise** *PHYSICAL REVIEW D*  
Bonilla, E., Shapiro, B., Lantz, B., Aguiar, O., Constancio, M.  
2021; 104 (12)
- **Method for electromechanical modeling of Johnson noise in Advanced LIGO** *CLASSICAL AND QUANTUM GRAVITY*  
Bonilla, E., Giuliani, P., Lantz, B., Buikema, A.  
2021; 38 (2)
- **Open data from the first and second observing runs of Advanced LIGO and Advanced Virgo** *SOFTWAREX*  
Abbott, R., Abbott, T. D., Abraham, S., Acernese, F., Ackley, K., Adams, C., Adhikari, R. X., Adya, V. B., Affeldt, C., Agathos, M., Agatsuma, K., Aggarwal, N., Aguiar, et al  
2021; 13
- **Cryogenically cooled ultra low vibration silicon mirrors for gravitational wave observatories** *CRYOGENICS*  
Shapiro, B., Adhikari, R. X., Aguiar, O., Bonilla, E., Fan, D., Gan, L., Gomez, I., Khandelwal, S., Lantz, B., MacDonald, T., Madden-Fong, D.  
2017; 81: 83-92