

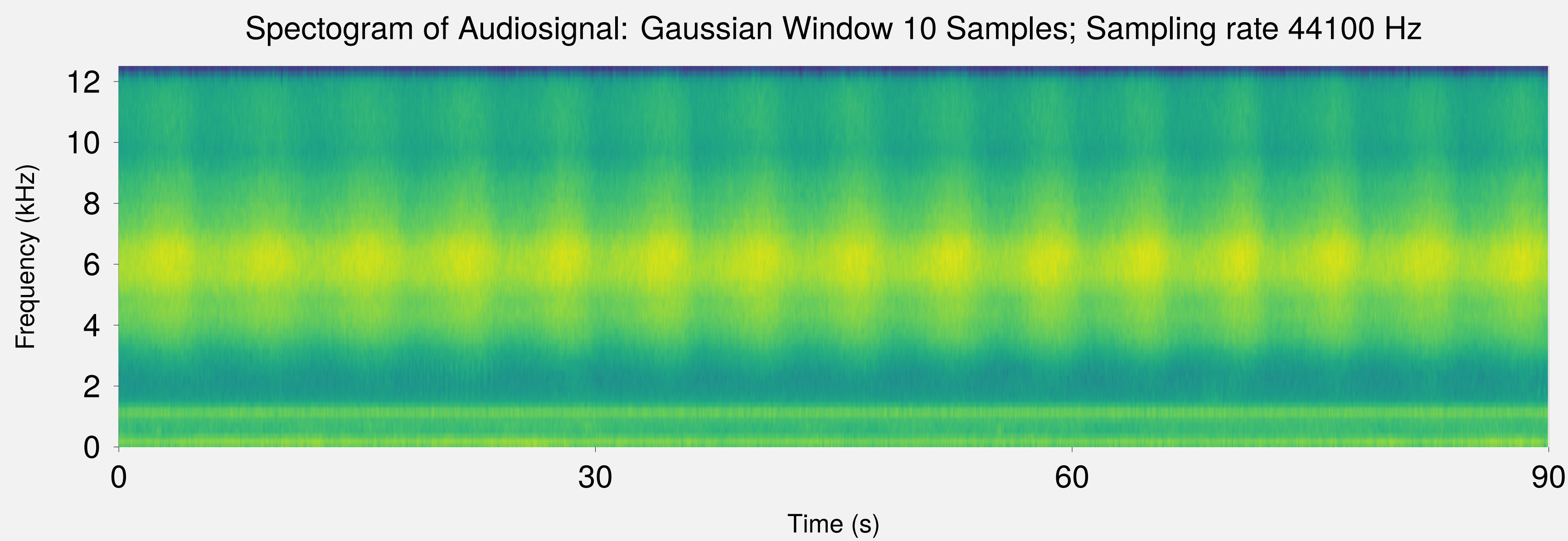
# Characterizing The Annoyance of the Nashville 2024 Cicada Population in the Time and Frequency Domain

M.-D. Noll\*, O. Manzhura, M. Nabinger, M. Reißig and J. L. Steinmann

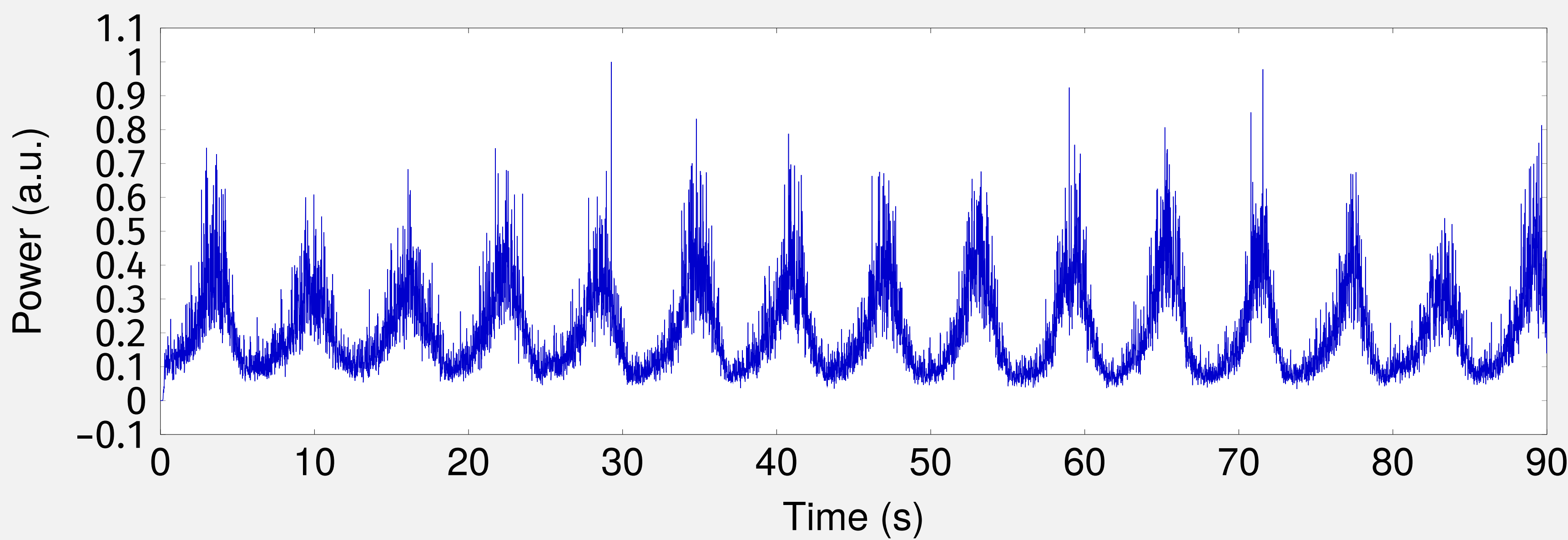
## Motivation

■ bla

## Time/Frequency Representation



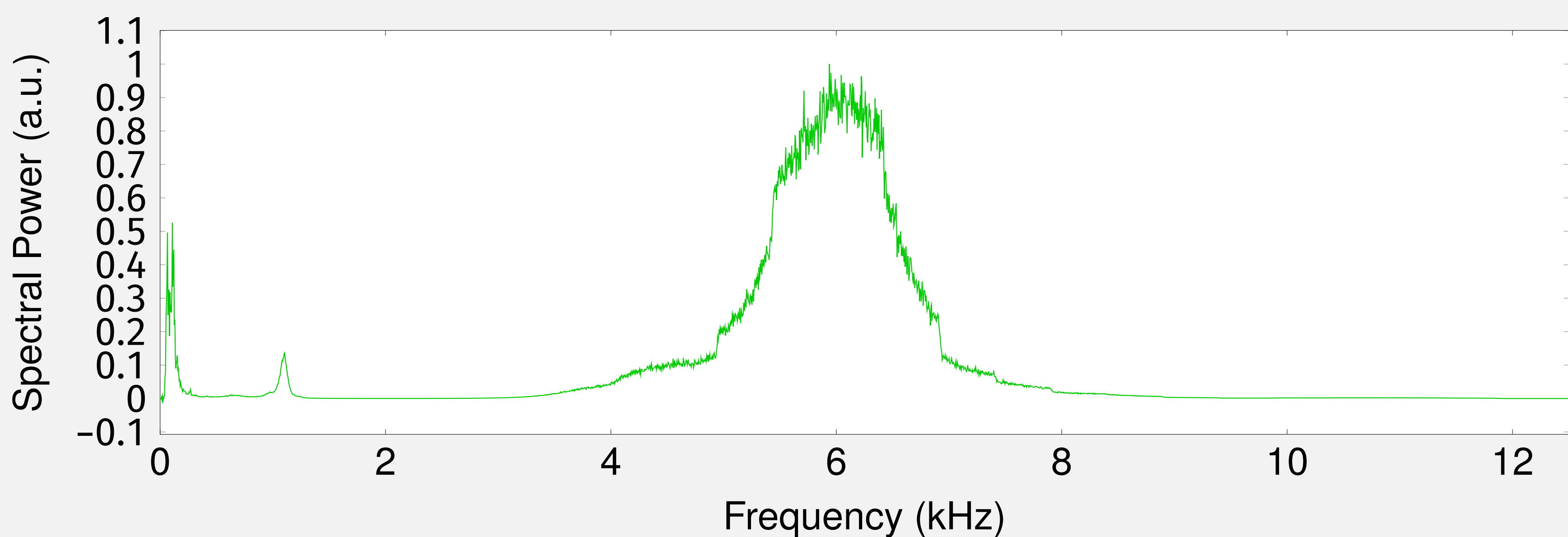
## Analysis in the Time Domain: Showing Rise/Decay of Mean Power



## Captured Individuum



## Analysis in the Frequency Domain: Mean Frequency of Cicada Calls



## Summary

■ bla

\*marvin-dennis.noll@kit.edu

**Contact**  
\*Marvin-Dennis Noll –  
[marvin-dennis.noll@kit.edu](mailto:marvin-dennis.noll@kit.edu)  
Institute for Beam Physics  
and Technology  
[www.ibpt.kit.edu](http://www.ibpt.kit.edu)  
Karlsruhe, Germany

**References**  
[1]

**Acknowledgments**  
M.-D. Noll acknowledges  
the support by the Doctoral  
School "Karlsruhe School  
of Elementary Particle and  
Astroparticle Physics: Sci-  
ence and Technology" and  
the ipac24 student grant

**Conference**  
**IPAC24**  
**WEPG58**