

# Spurious Solar-Wind Effects on Acceleration Noise in LISA Pathfinder

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# Overview

english

Gravitational wave observatories

Making observatories small & large

Squeezing large interferometers

Auxiliary length control noise

Frequency-fit, time-applied feedforward filtering

Auxiliary filtering summary

Searches for neutron stars in binary systems

Scorpius X-1 mock data challenge

Mock data challenge statistics

S6: Scorpius X-1 search plan

Real S6 data: statistics

S6: Scorpius X-1

S6: J1751-305

Plans for improvement

Summary

# Bullet Points

- ▶ Lorem ipsum dolor sit amet, consectetur adipiscing elit
- ▶ Aliquam blandit faucibus nisi, sit amet dapibus enim tempus eu
- ▶ Nulla commodo, erat quis gravida posuere, elit lacus lobortis est, quis porttitor odio mauris at libero
- ▶ Nam cursus est eget velit posuere pellentesque
- ▶ Vestibulum faucibus velit a augue condimentum quis convallis nulla gravida

# Blocks of Highlighted Text

In this slide, some important text will be **highlighted** because it's important. Please, don't abuse it.

## Block

Sample text

## Alertblock

Sample text in red box

## Examples

Sample text in green box. The title of the block is “Examples”.

# Multiple Columns

## Heading

1. Statement
2. Explanation
3. Example

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer lectus nisl, ultricies in feugiat rutrum, porttitor sit amet augue. Aliquam ut tortor mauris. Sed volutpat ante purus, quis accumsan dolor.

# Table

<b>Treatments</b>	<b>Response 1</b>	<b>Response 2</b>
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Table caption

# Theorem

Theorem (Mass–energy equivalence)

$$E = mc^2$$

# Figure

Uncomment the code on this slide to include your own image from the same directory as the template .TeX file.



# Citation

An example of the `\cite` command to cite within the presentation:

This statement requires citation `[?]`.

# References



John Smith (2012)

Title of the publication

*Journal Name* 12(3), 45 – 678.

# The End