

- Proposed $0\nu\beta\beta$ search using bolometric array of 1596 lithium molybdate crystals, deployed in the CUORE¹ cryostat.
- Aims to eliminate dominant background of alpha particles present in CUORE.

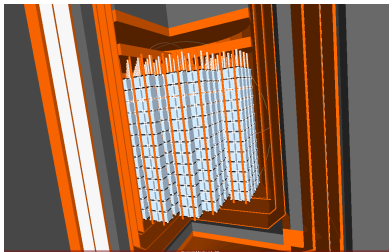


Figure: rendering of proposed CUPID array of Li_2MoO_4 crystals

¹Clarke and Braginski 2004.

- Li_2MoO_4 crystals allow for discrimination of α backgrounds from $\beta\beta$ events ($Q=3034\text{keV}$) via high-light yield scintillation signals.
- relatively high isotopic abundance of ^{100}Mo (10%)
- enrichment above 95% already demonstrated in CUPID-Mo

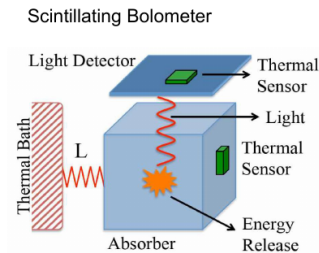


Figure: gnarly

- guy
- man
- dude

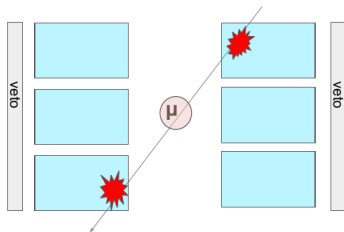


Figure: gnarly

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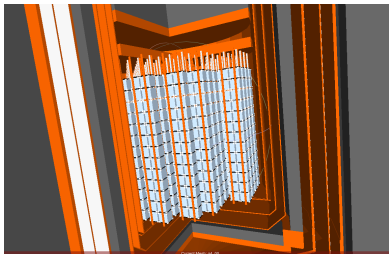


Figure: gnarly

CUORE is a massive bolometric detector searching for $0\nu\beta\beta$ decay in ^{130}Te .

Block 1

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Block 2

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Heading

- ① Statement
- ② Explanation
- ③ Example

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Treatments	Response 1	Response 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Table: Table caption

Theorem (Mass–energy equivalence)

$$E = mc^2$$

Example (Theorem Slide Code)

```
\begin{frame}  
\frametitle{Theorem}  
\begin{theorem}[Mass--energy equivalence]  
$E = mc^2$  
\end{theorem}  
\end{frame}
```

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

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

This statement requires citation **p1**.



John Smith (2012)

Title of the publication

Journal Name 12(3), 45 – 678.

The End