

AI/ML for Core Shroud and Core Barrel UT Analysis

A graphic on the right side of the slide featuring a blue rounded rectangle with a grey border. Inside, there is a blue square with the word "Nuclear" in white text. Above the blue square is a grayscale image of a nuclear reactor core.

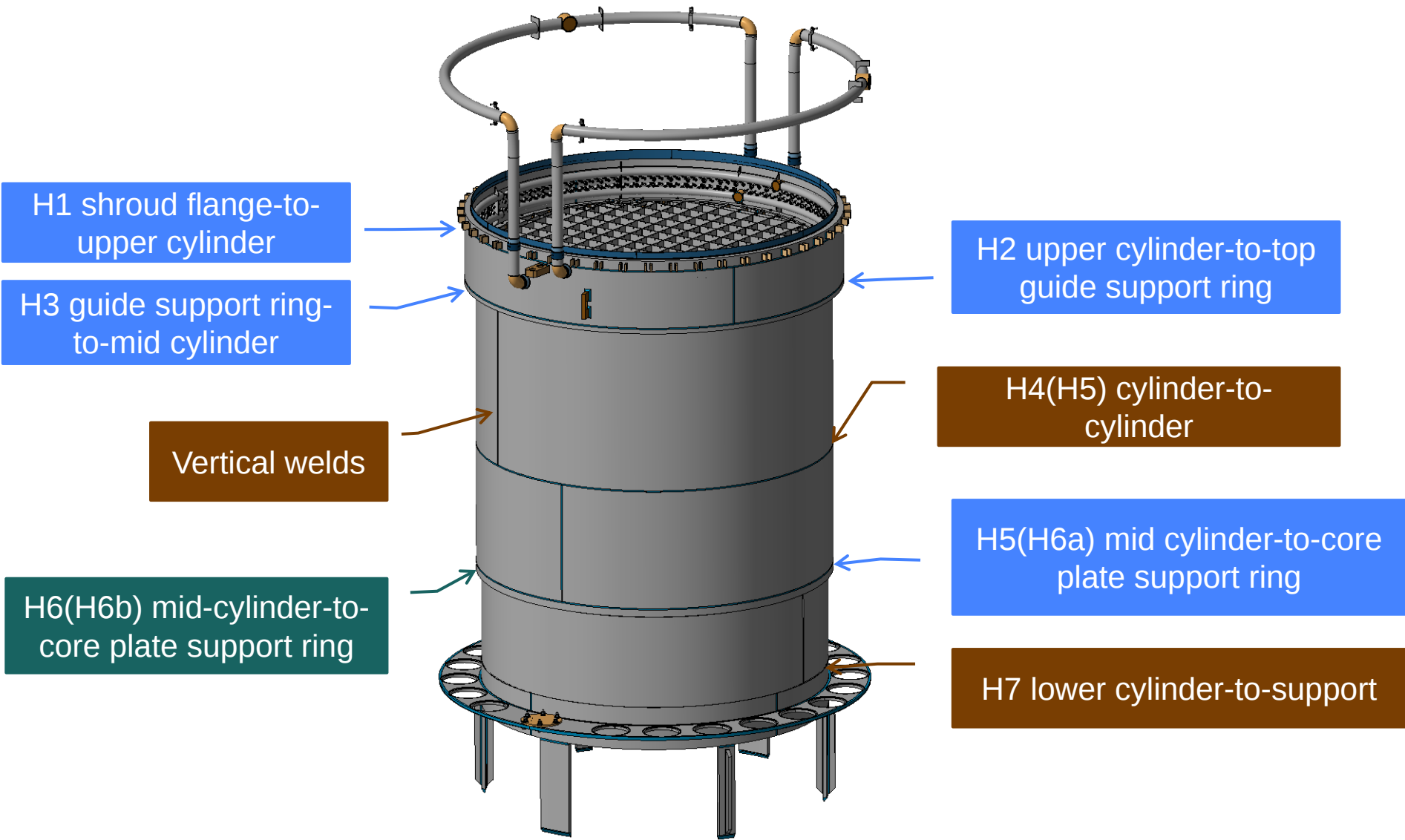
Nuclear

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Scope

- Upper side only
- Both sides
- Lower side only



Targeting Detection + Length Sizing

Status

First model developed

Detection

Sizing

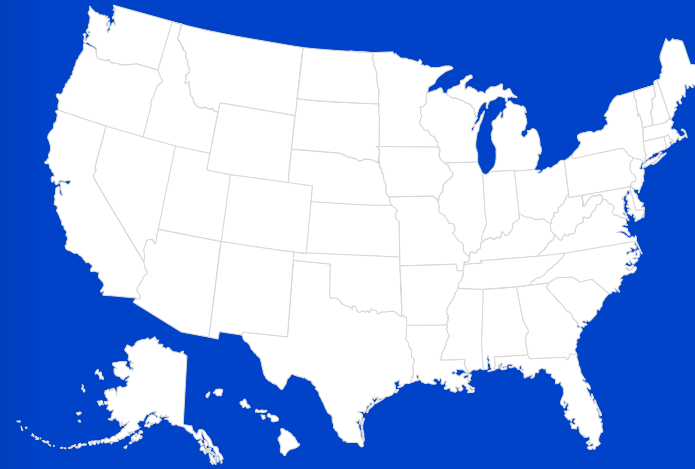
Good

Improve on small flaws
vs. geometry

Promising

Needs quantifying

Ready for field trials

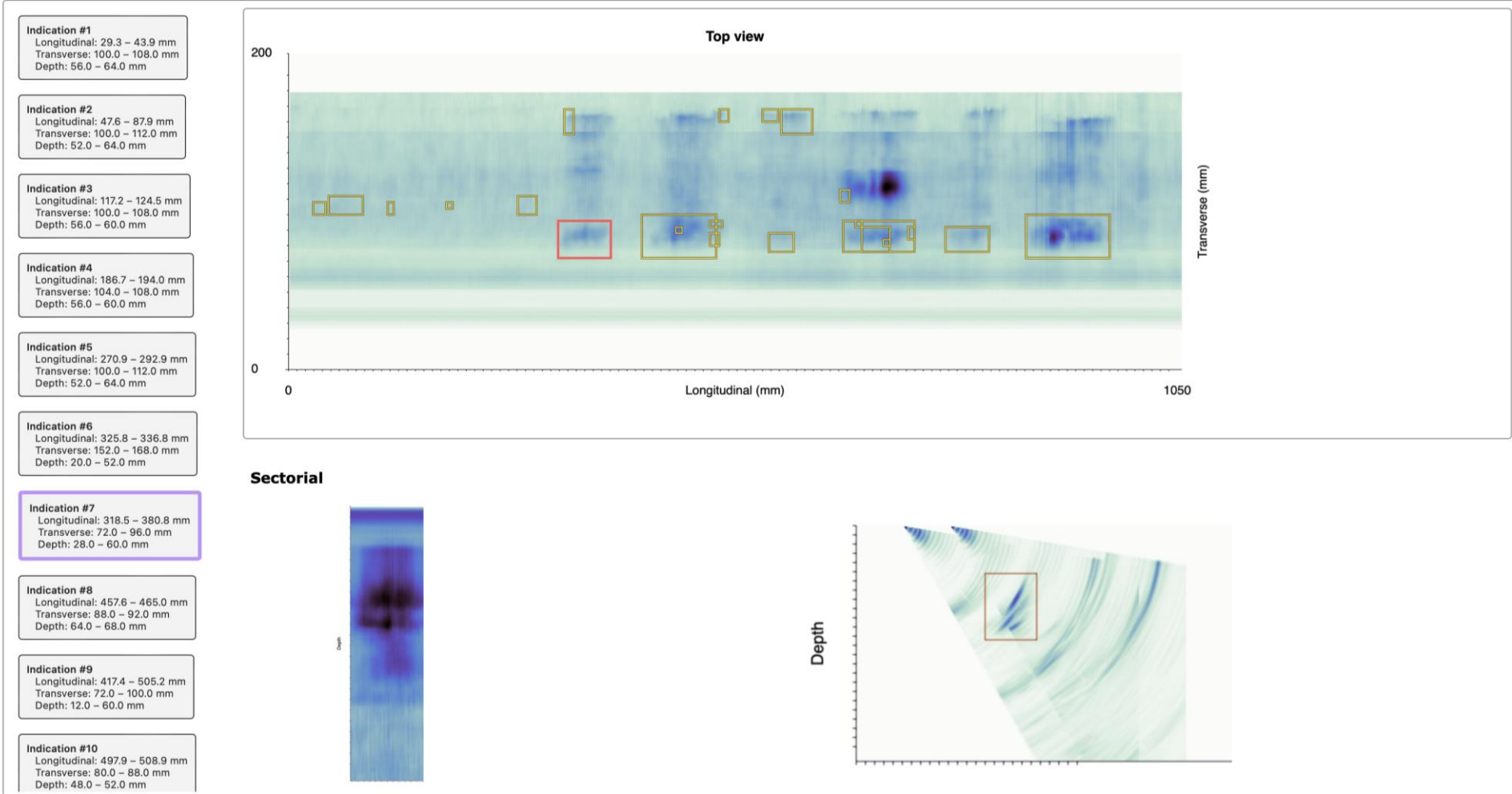


Spring
2025



Fall
2025

Sample Output





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