

# Development and Testing of Additively Manufactured H-Mode Cavities at 704.4 MHz

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## **Overview**

#### Advantages of Additive Manufacturing (AM)

Increased design freedom for complex geometries Shorter prototyping and production cycles

#### **CH Cavity Project**

704.4 MHz cavity with tank, two end caps, and six interchangeable drift tubes

70 % complete; copper plating in progress

Beam test at University of Cologne

#### **SH Cavity Project**

Designed for frequency jump (x8) 88.05 MHz → 704.4 MHz Two end caps and seven slices Beam and Cavity Design finished Final testing planned at SPIRAL2









