

QUAISE ENERGY IMAGE CAPTIONS

IMAGE FOLDER:

https://drive.google.com/drive/folders/1F5T25ft0ZLYS8Lk_UrUgS4CWJN1mhyCz?usp=sharing

PhotoDrillLab

Description: Millimeter wave drilling setup in Oak Ridge National Labs; this setup is 20 times more powerful than the one used at MIT during their ground-breaking research from 2007-2017

Location: Oak Ridge National Laboratories



Credits: Quaise Energy

PhotoGyrotron

Description: 200 kW gyrotron; this gyrotron has been used for over 20 years for fusion research at Oak Ridge National Labs and is now enabling millimeter wave drilling experiments

Location: Oak Ridge National Laboratories

Credits: Quaise Energy

PhotoRockChamber

Description: Rock chamber used for millimeter wave rock-drilling experiments

Location: Oak Ridge National Laboratories

Credits: Quaise Energy

PhotoTestSampleDrilled

Description: Rock sample with a five cm diameter millimeter wave drilled hole

Location: MIT Plasma Science Fusion Center

Credits: Quaise Energy

PhotoTestSampleNew

Description: High-power waveguide pointing at fresh rock sample before activating millimeter wave drill

Location: Oak Ridge National Laboratories

Credits: Quaise Energy

PhotoTransmissionLine

Description: High-power millimeter wave transmission line; this transmission line carries the electromagnetic energy from the gyrotron to the rock chamber

Location: Oak Ridge National Laboratories

Credits: Quaise Energy