

# NATIONAL MAGLAB

## AT A GLANCE

2024



Florida State University • University of Florida • Los Alamos National Laboratory

Supported by the National Science Foundation and the State of Florida

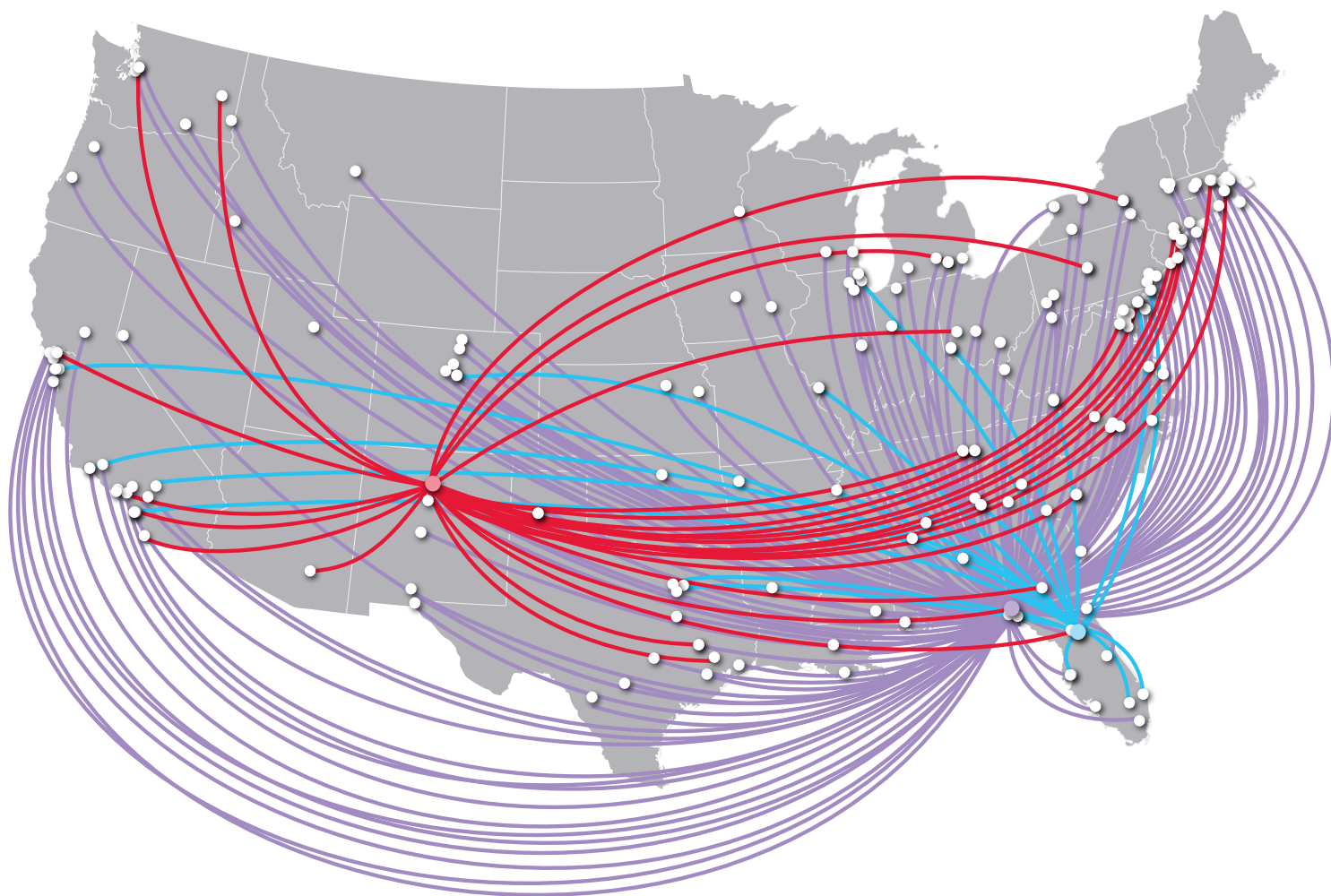
# A NATIONAL RESOURCE

Seeking the most powerful magnetic fields on Earth, scientists and engineers from around the world conduct their experiments at the National MagLab. In 2024, our **1,559** users represented **265** universities, government labs and private companies worldwide.

**81%** UNIVERSITIES

**13%** GOVERNMENT LABS

**6%** INDUSTRY





# 2024

## LAB STATS

**USERS:**

1,554

**PERCENTAGE  
OF USERS  
WHO WERE NEW:**

21%

**ARTICLES  
PUBLISHED IN  
PEER-REVIEWED  
JOURNALS:**

334

**TALKS,  
LECTURES AND  
PRESENTATIONS GIVEN TO  
ORGANIZATIONS AROUND  
THE COUNTRY & WORLD:**

136

**MAGLAB  
WORLD  
RECORDS:**

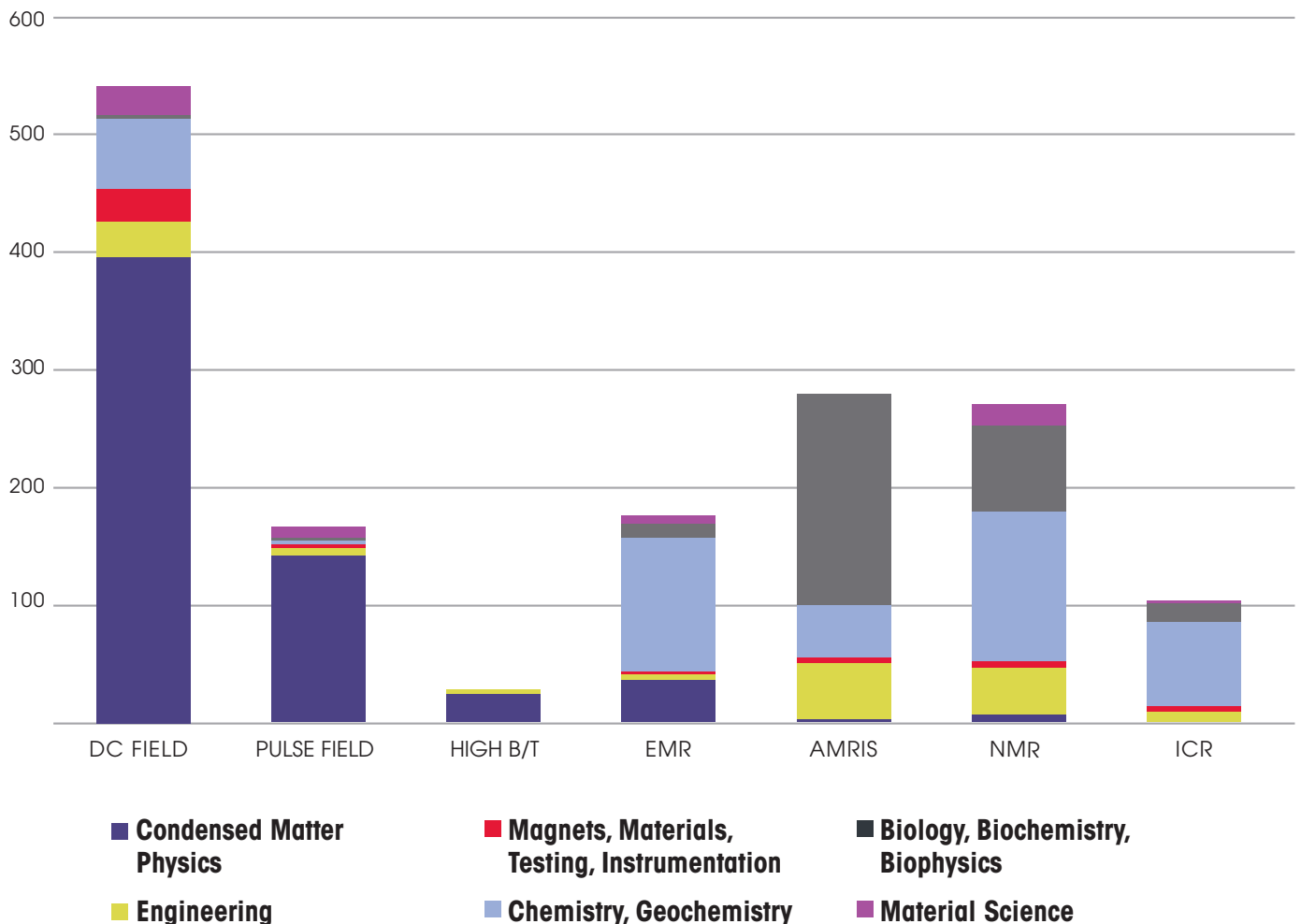
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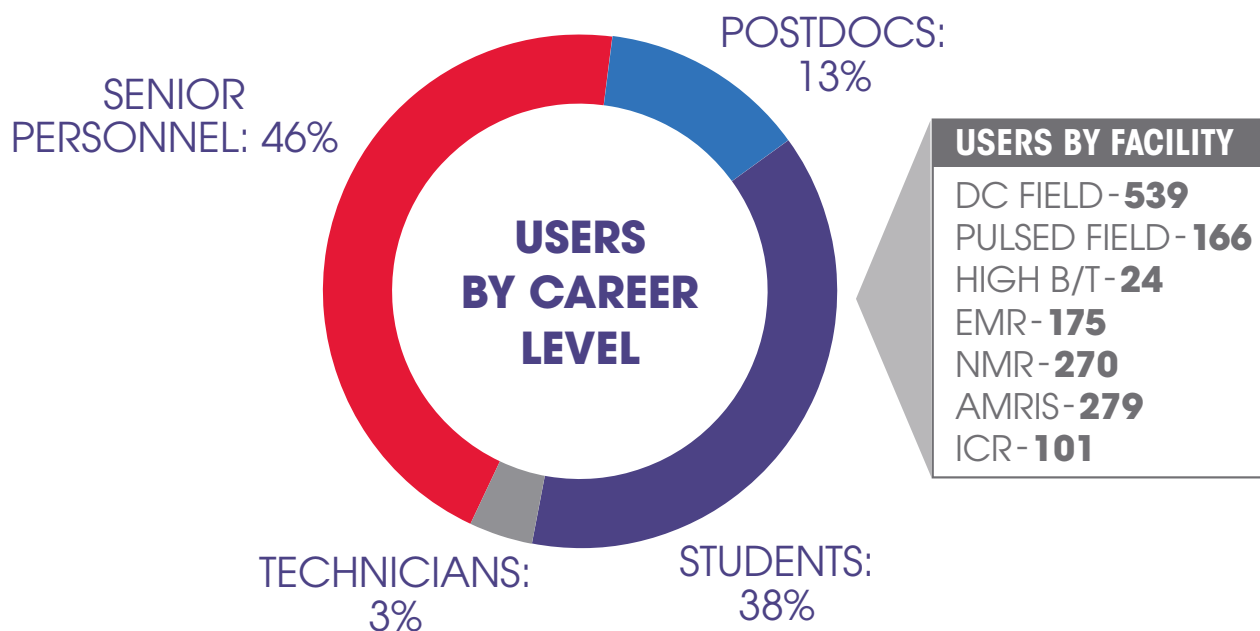
# WHO OUR USERS ARE

High magnetic fields are a powerful research tool across many disciplines leading to groundbreaking discoveries that impact your life. The lab comprises 7 distinct user facilities that offer our researchers a wide range of research capabilities:

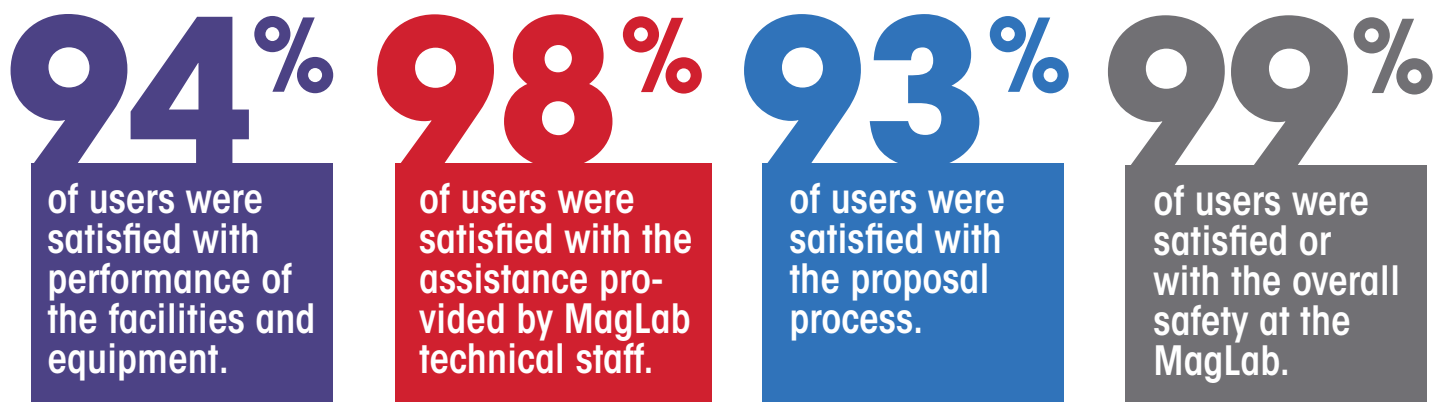
- **DC Field**  
Steady, continuous magnetic fields up to 45 T
- **Pulsed Field**  
Short, ultra-powerful magnetic fields up to 100 T
- **High B/T**  
Magnetic fields up to 15 T combined with ultra-cold temperatures of 0.4 mK
- **Electron Magnetic Resonance (EMR)**  
Magnetic resonance techniques associated with the electron
- **Nuclear Magnetic Resonance (NMR)**  
Solid & solution state NMR & animal imaging
- **Advanced Magnetic Resonance Imaging & Spectroscopy (AMRIS)**  
High-resolution solution and solid-state, NMR, animal imaging & human imaging
- **Ion Cyclotron Resonance (ICR)**  
Ultra-high resolution and high mass accuracy Fourier transform ion cyclotron resonance (FT-ICR) mass spectrometry

## 2024 USERS BY DISCIPLINE





## WHAT OUR USERS SAY



Data reflects external users only.

## MAGLAB STAFF

The MagLab employs a skilled workforce of scientists, machinists, engineers, and technicians.

Total MagLab Staff: **562**



- Senior Personnel: **189**
- Other Professional: **72**
- Support Staff - Technical: **72**
- Support Staff - Secretarial: **14**
- Postdoctoral: **48**
- Graduate Student: **79**
- Undergraduate Student: **88**

# SPARKING CURIOSITY

Whether in a traditional classroom setting or on our website, within the walls of our lab or in universities around the globe, the National MagLab is committed to sharing our passion for science. We are growing the next generation of scientists and inspiring all individuals about the magic of discovery in high magnetic fields.

1,600+

K-12 students participated in Classroom Outreach or a field trip.

8,500+

visitors of all ages during our annual  
**5-hour** Open House event

4.1  
MILLION

website interactions

88+

Students in long-term mentorship  
or camp programs

28  
THOUSAND+

hours of MagLab video content  
watched on YouTube.

680

Children and parents attended MagLab  
Science Night at the Library.