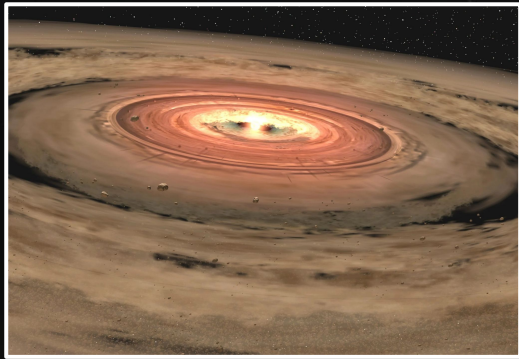


UKI Disc-ussion

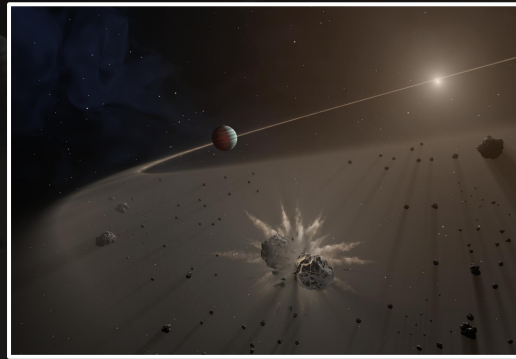


Protoplanetary



NASA/JPL-Caltech

Debris



NASA/JPL-Caltech

White dwarf



NASA, ESA, Joseph Olmsted (STScI)

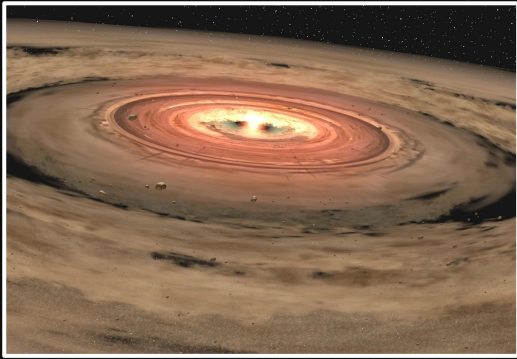
Protoplanetary



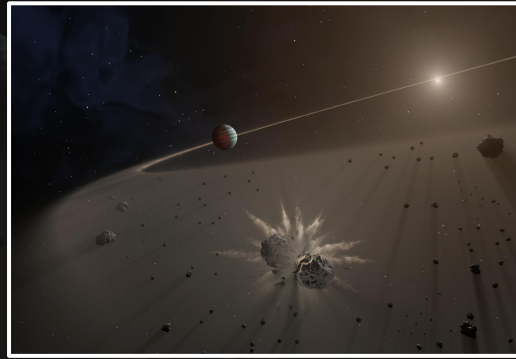
Debris



White dwarf



NASA/JPL-Caltech



NASA/JPL-Caltech



NASA, ESA, Joseph Olmsted (STScI)

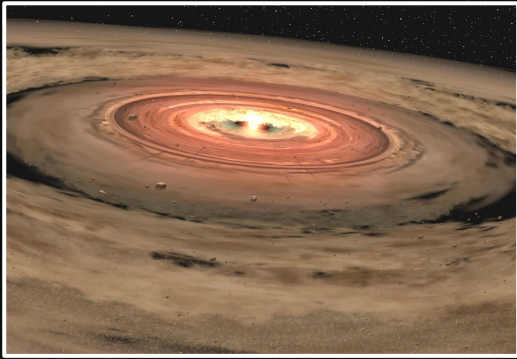
Protoplanetary



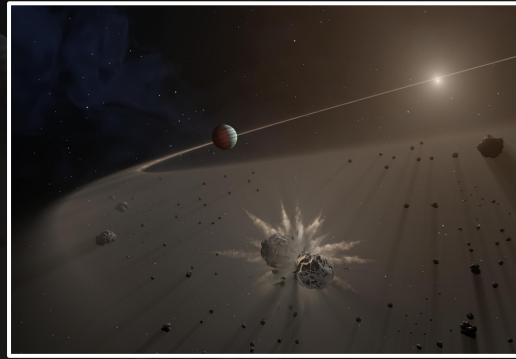
Debris



White dwarf



NASA/JPL-Caltech



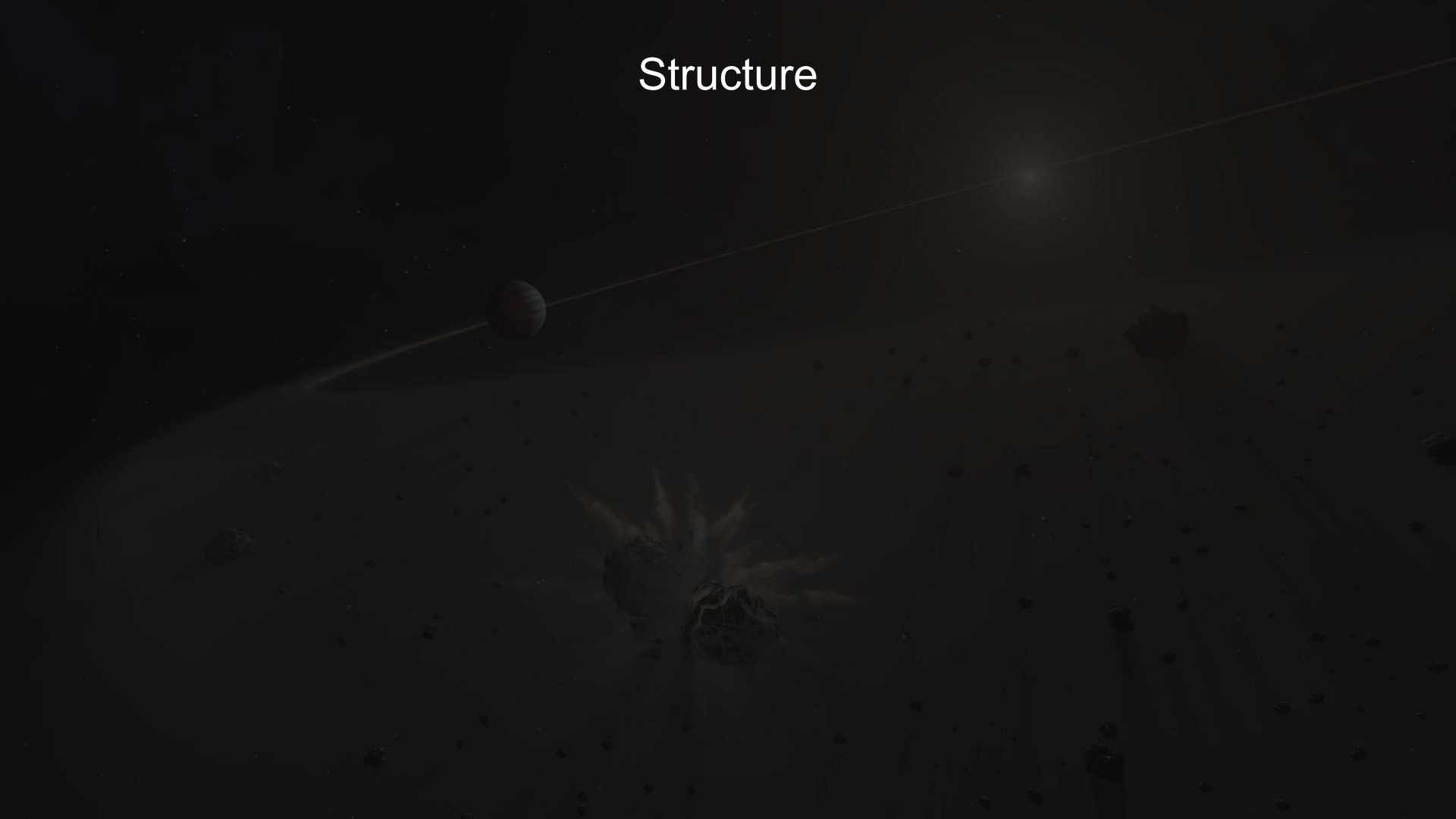
NASA/JPL-Caltech



NASA, ESA, Joseph Olmsted (STScI)

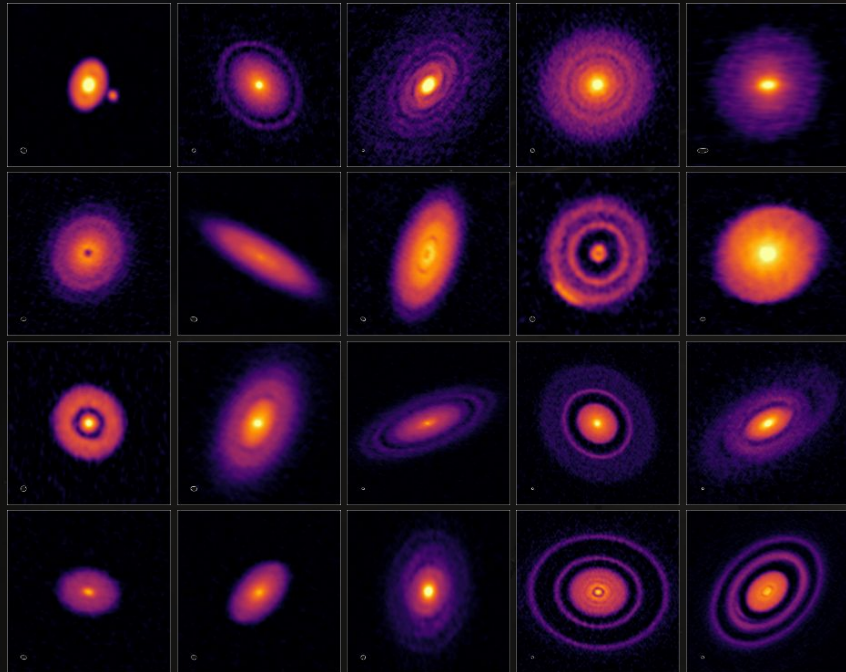
What can we learn by combining our knowledge?

Structure



Structure

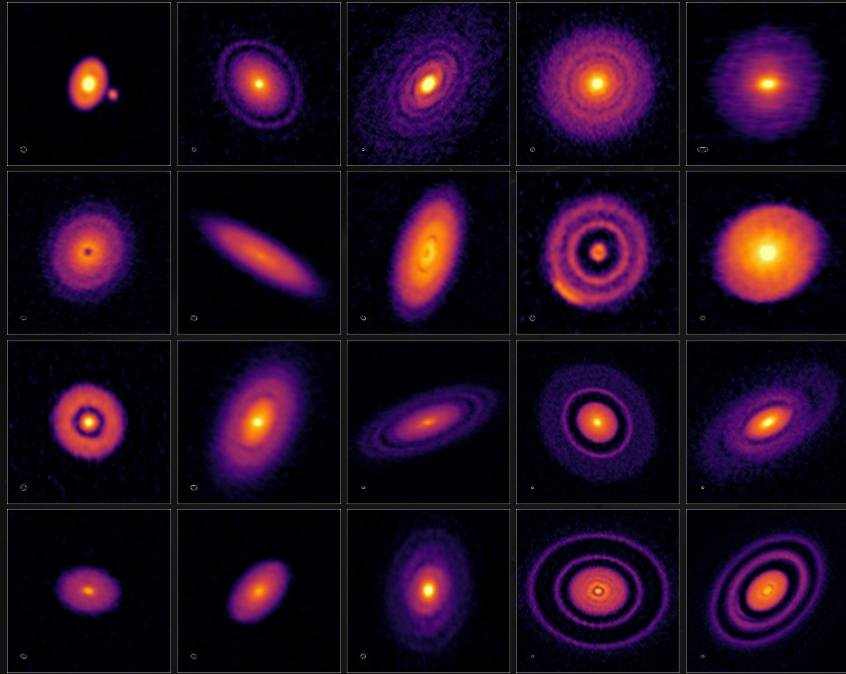
Protoplanetary discs



Andrews et al. (2018)

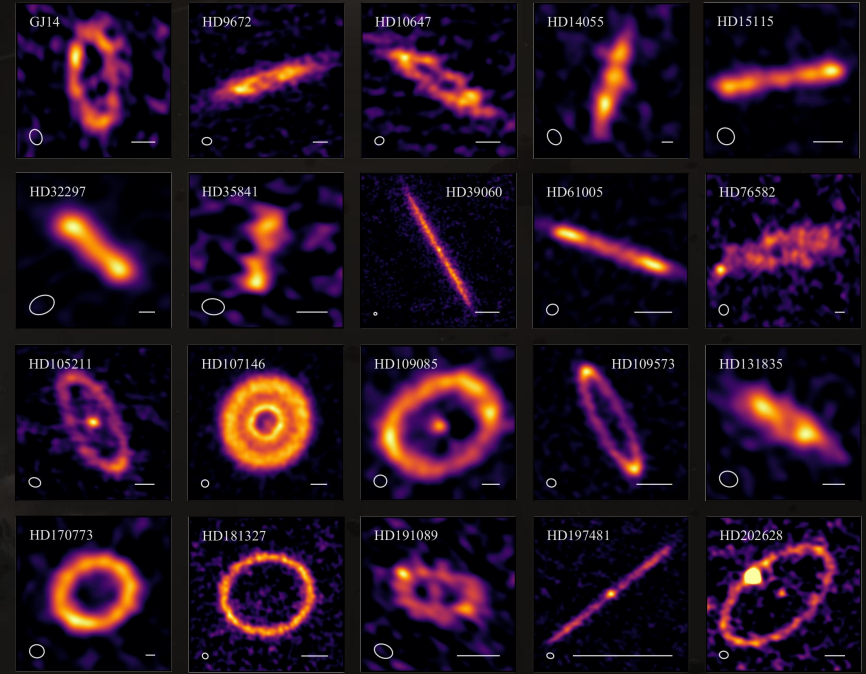
Structure

Protoplanetary discs



Andrews et al. (2018)

Debris discs



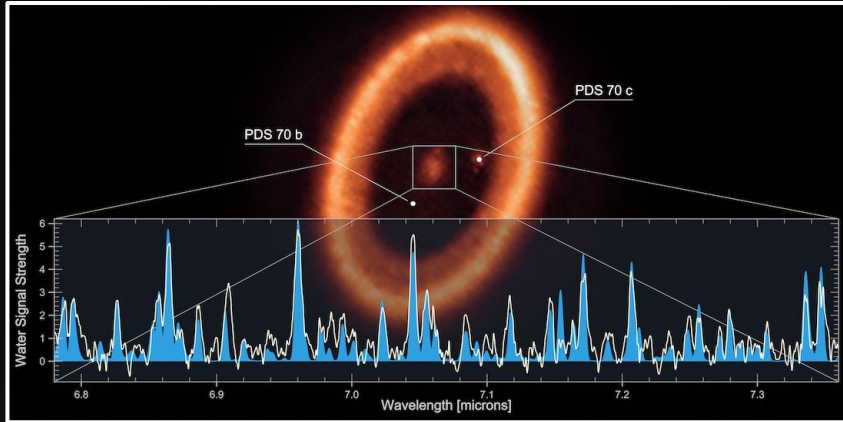
Matrá et al. (submitted)

Material compositions



Material compositions

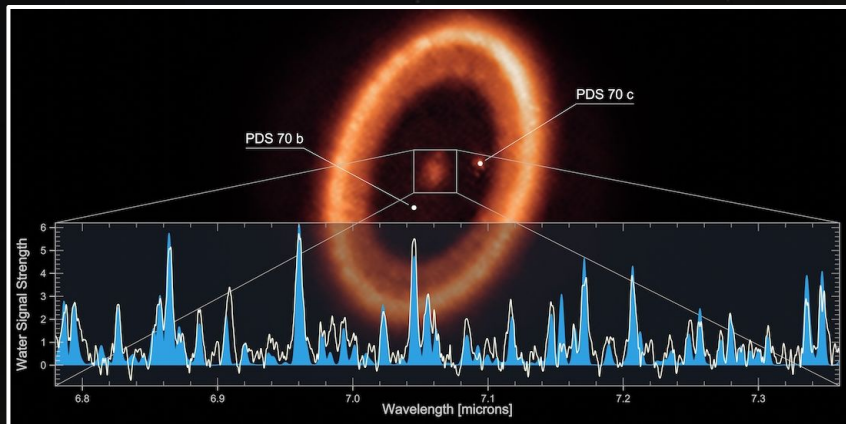
Protoplanetary



Thomas Müller / G. Perotti et al. (MINDS collaboration)

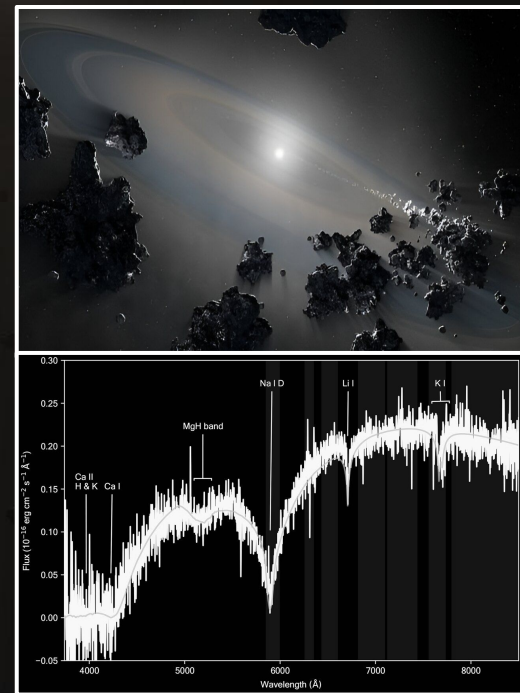
Material compositions

Protoplanetary



Thomas Müller / G. Perotti et al. (MINDS collaboration)

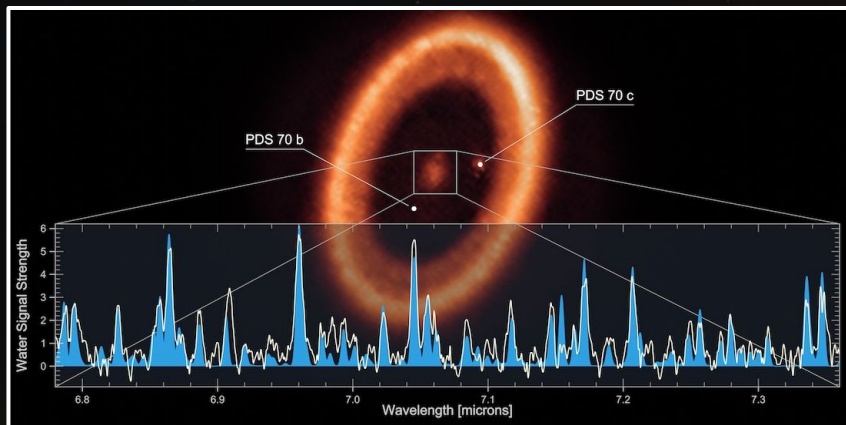
White dwarf



NASA, ESA, Joseph Olmsted (STScI)
Kaiser et al. (2020)

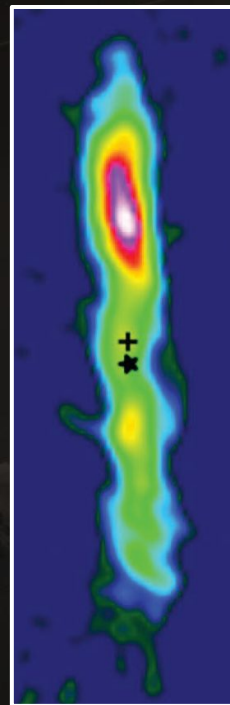
Material compositions

Protoplanetary



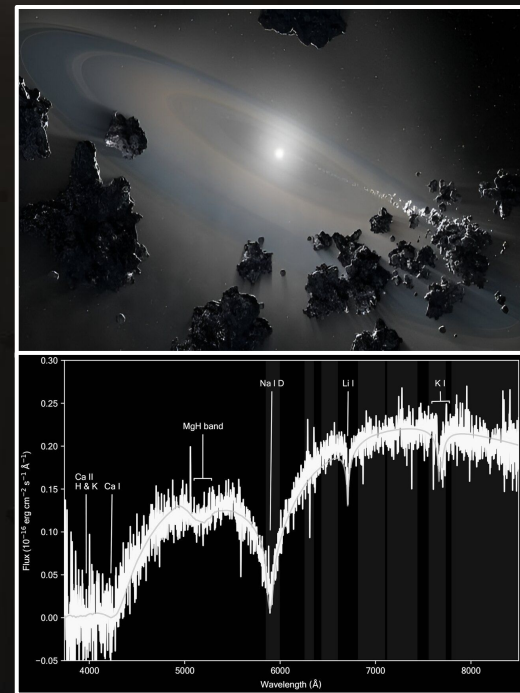
Thomas Müller / G. Perotti et al. (MINDS collaboration)

Debris



Dent et al. (2014)

White dwarf



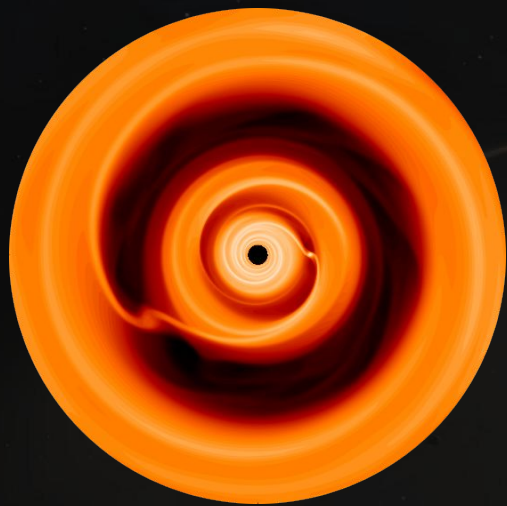
NASA, ESA, Joseph Olmsted (STScI)
Kaiser et al. (2020)

Planet migration



Planet migration

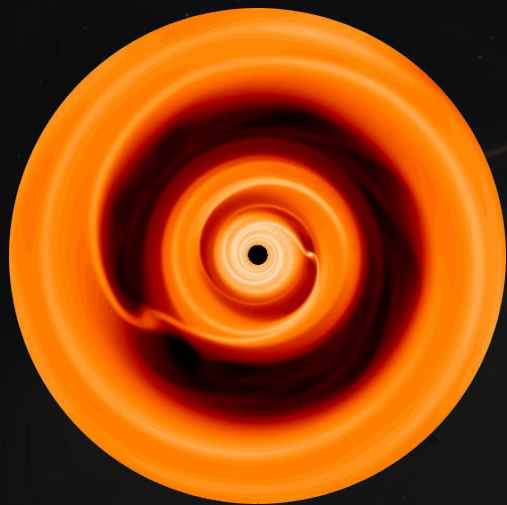
Protoplanetary disc



Sándor & Kley (2010)

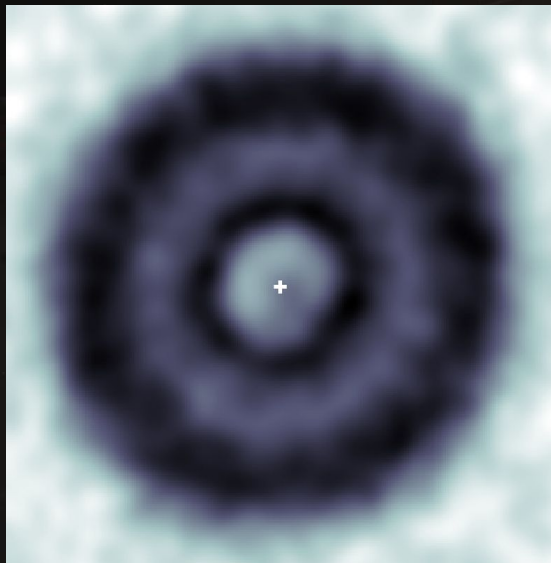
Planet migration

Protoplanetary disc



Sándor & Kley (2010)

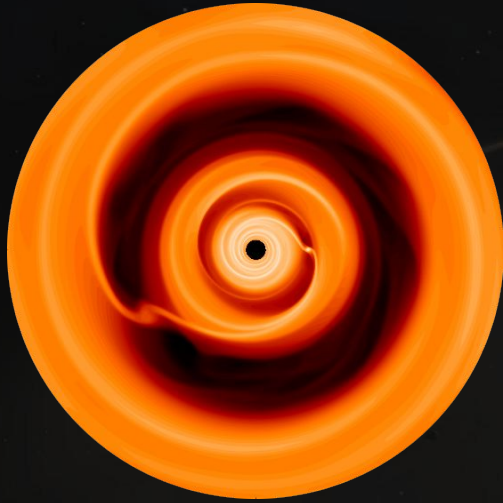
Debris disc



Marino et al. (2018)

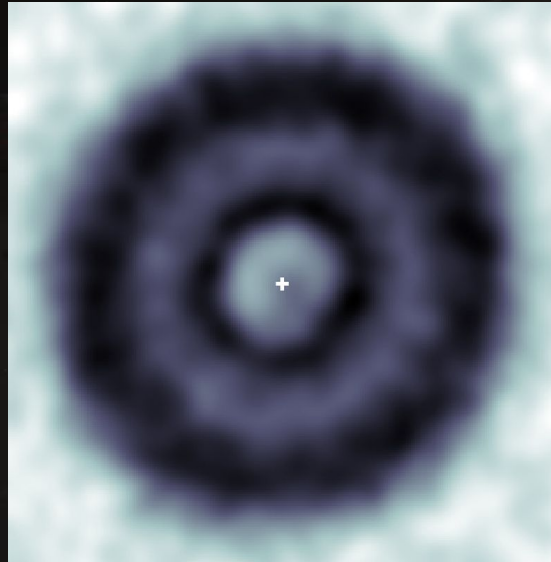
Planet migration

Protoplanetary disc



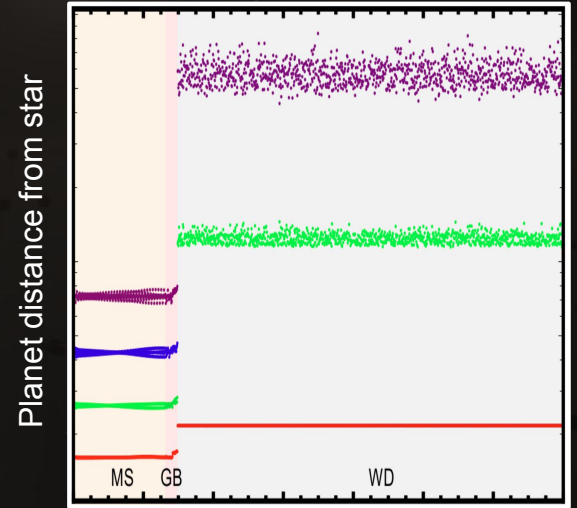
Sándor & Kley (2010)

Debris disc



Marino et al. (2018)

White dwarf



Time

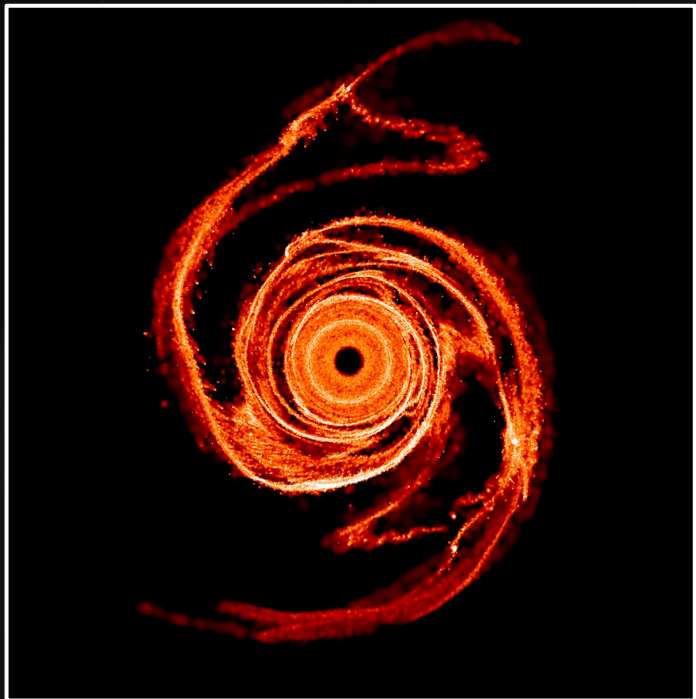
Veras & Hinkley (2021)

Calibrate models



Calibrate models

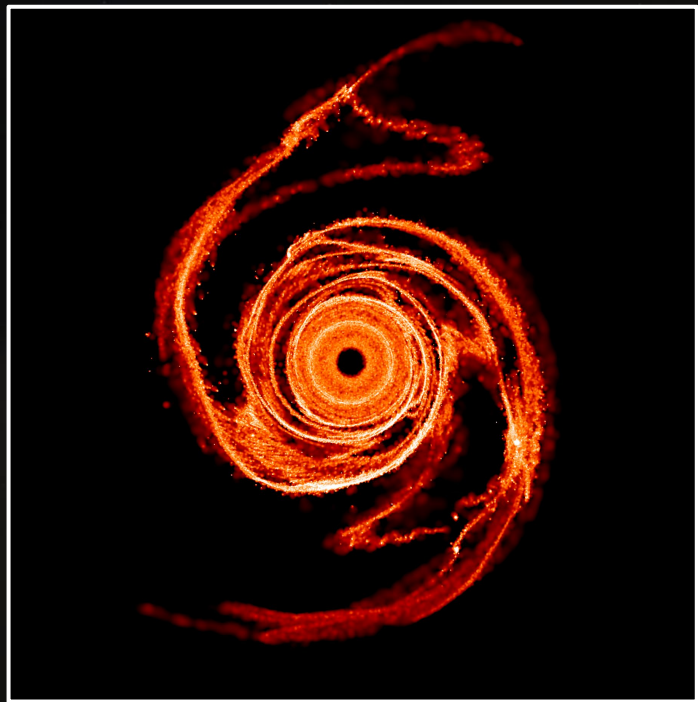
Protoplanetary disc



Rowther et al. (2024)

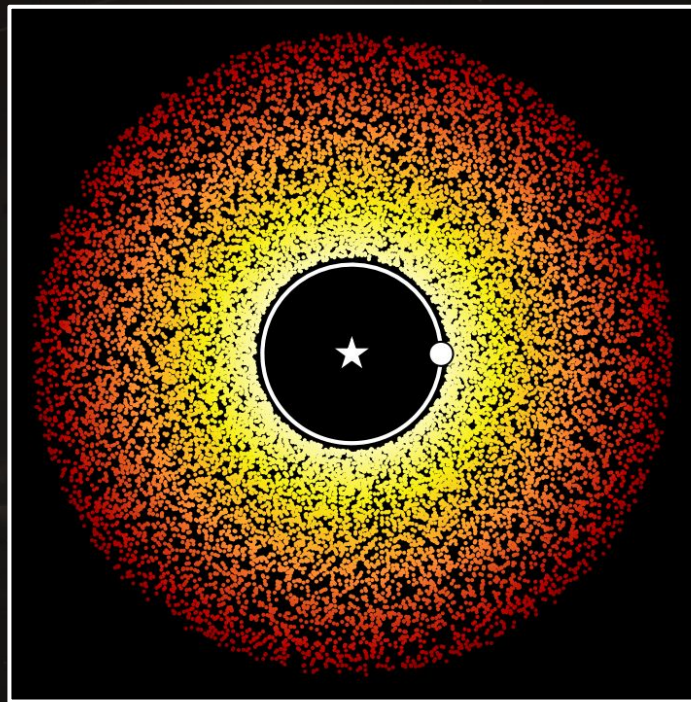
Calibrate models

Protoplanetary disc



Rowther et al. (2024)

Debris disc

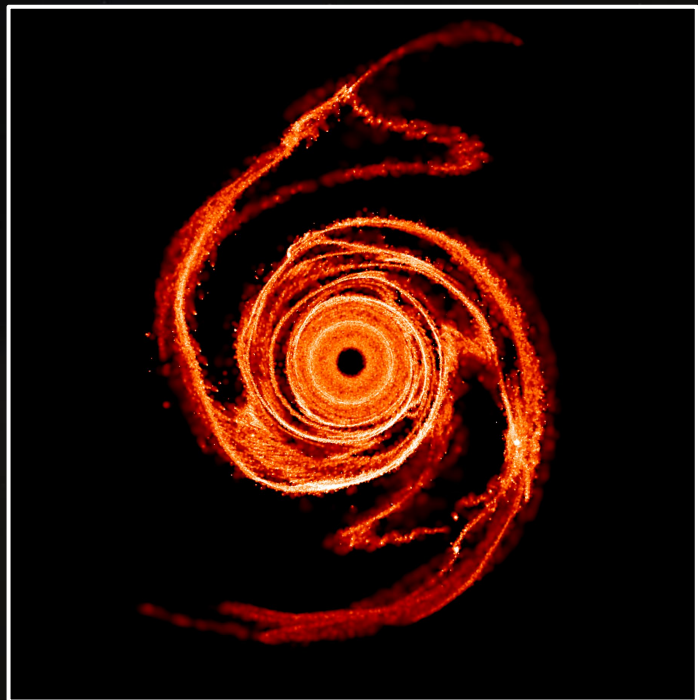


One of Tim's simulations



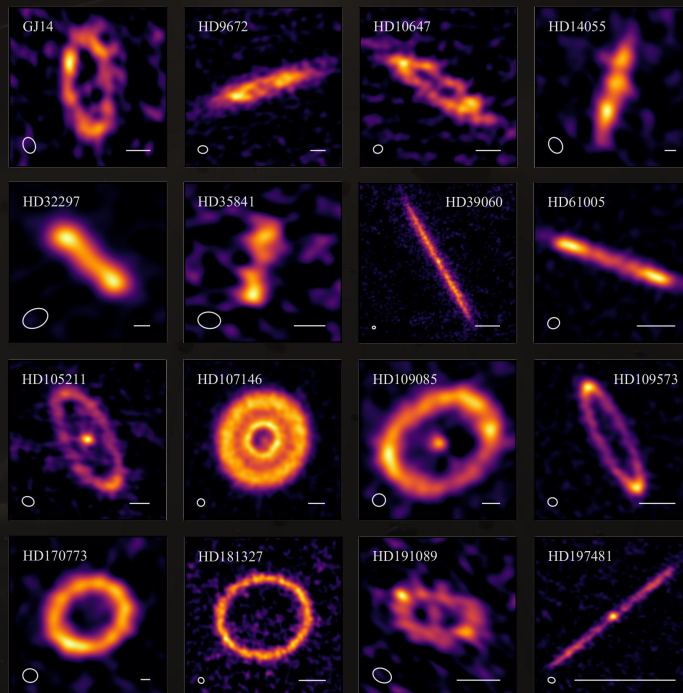
Calibrate models

Protoplanetary disc



Rowther et al. (2024)

Debris disc



Matrá et al. (submitted)

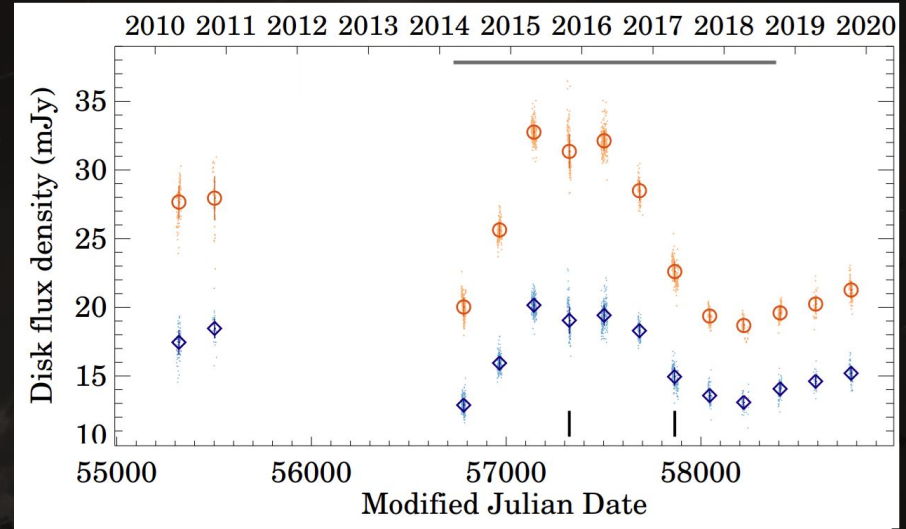
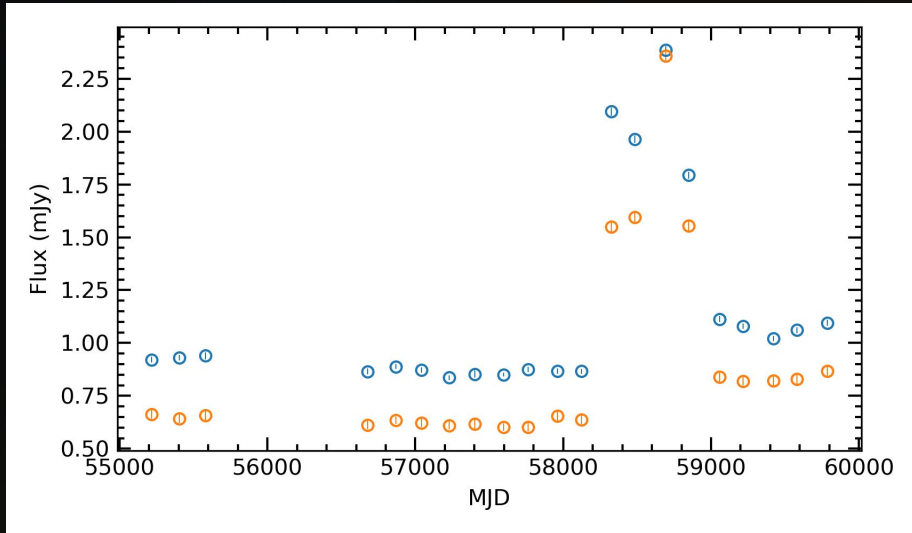
Extreme debris discs



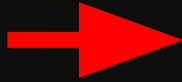
Extreme debris discs



Extreme debris discs \approx white-dwarf discs



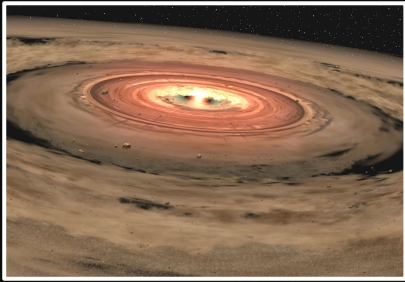
Protoplanetary



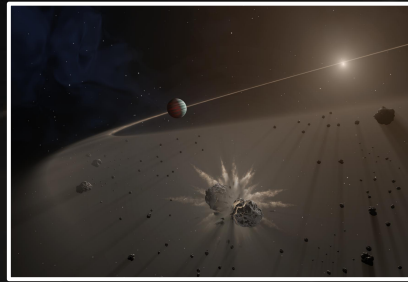
Debris



White dwarf



NASA/JPL-Caltech



NASA/JPL-Caltech



NASA, ESA, J. Olmsted (STScI)

What can we learn by combining our knowledge?

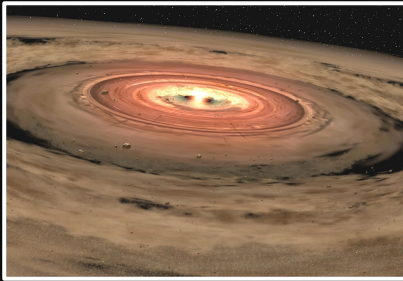
Protoplanetary



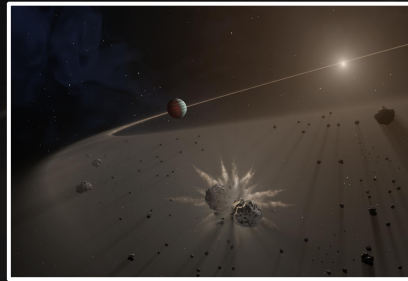
Debris



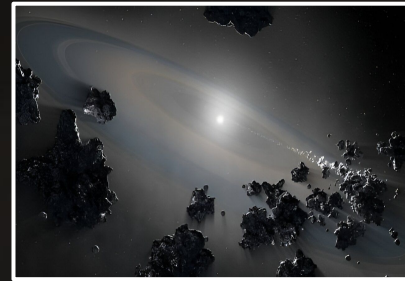
White dwarf



NASA/JPL-Caltech



NASA/JPL-Caltech



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What can we learn by combining our knowledge?

Anonymous
questions

slido.com
#1817 936



Discussion ideas

1. What can each disk phase (PPD, DD, WD) tell us about the others?
 - a. Changes in architecture (planet migration)
 - b. Compositions
 - c. Initial conditions
 - d. Masses
2. Does gas have the same origin in DDs and WDDs?
3. What is the way forward observationally? And theoretically?
4. What other overlaps are there?