

RSPS 2021



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Zoom link to RSPS 2021:

<https://rochester.zoom.us/j/93422056055?pwd=RGM5TzRmMFNEYlAyWEFjMEV2bGJHQQT09>

Welcome!

RSPS 2021:

**The 39th Rochester Symposium for Physics
Students**



Department of Physics and Astronomy

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News & Events

RSPS 2021

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Rochester Symposium for Physics Students

SPS Zone 2 Regional Meeting

March 20, 2021

The XXXIX Rochester Symposium for Physics (Astronomy and Optics) Students will take place at the Department of Physics and Astronomy, University of Rochester, Rochester, NY 14627.

- [Register for Symposium](#) (Closed on March 9, 2021)
- [Submit your Abstract](#) (Closed on February 22, 2021)

RSPS 2021 will start at 8 am and end at 3 pm. For details on the program and the list of speakers, please click on the links below.

Click here for:

- [Introduction RSPS 2021](#)
- [Speakers RSPS 2021](#)
- [Program RSPS 2021](#)
- [Proceedings RSPS 2021](#)
- [Flyer for RSPS 2021](#)
- [Letter for RSPS 2021](#)

<http://www.pas.rochester.edu/news-events/rsps/2021/index.html>

Time (EST)

8:45	Welcome!	Prof. Frank Wolfs
9:00	Room 1: Astronomy And Astrophysics	Chair: Prof. Rosenberry
9:00	Room 2: Instrumentation/ Experimental Techniques, Nuclear And Particle Physics	Chair: Prof. Robinson
10:30	Break	
10:40	Poster Session (Poster 1 – Poster 8)	
11:30	Room 1: Educational Physics, Quantum Optics	Chair: Prof. Monier
11:30	Room 2: Other Topics	Chair: Prof. Fazar
12:45	Lunch Break	
1:15	Room 1: Biological Physics, Condensed Matter Physics	Chair: Prof.
3:15	Room 2: Astronomy And Astrophysics	Chair: Prof. Dunham

MAIN ROOM

BREAKOUT ROOMS

1. Room 1 (Talks)
2. Room 2 (Talks)
3. Poster 1 (Poster Session)
4. Poster 2 (Poster Session)
5. Poster 3 (Poster Session)
6. Poster 4 (Poster Session)
7. Poster 5 (Poster Session)
8. Poster 6 (Poster Session)
9. Poster 7 (Poster Session)
10. Poster 8 (Poster Session)

PDF versions of posters are linked on the agenda page of RSPS 2021.

10:40AM–11:25 AM: SESSION II. POSTER SESSION (*Zoom Rms: Poster #1-#8*)

Using REBOUND to simulate the orbit of asteroid 2010 TK7

Fred Genier, Mark Rosenberry, Graziano Vernizzi, Siena College

(Zoom Rm: Poster #1)

[Unexpected Effects of Polymer Flow on the Permeability of Porous Media](#)

Andres Orio Gonzalez, Rochester Institute of Technology

(Zoom Rm: Poster #2)

[Heavy Neutral Particle Search in MINERvA](#)

Dyson Kennedy, Jacob Smith, University of Rochester, on Behalf of the MINERvA Collaboration

(Zoom Rm: Poster Rm #3)

Using Machine Learning to Develop a Transient Identification Pipeline for DESI

Amanda Wasserman, Vashisth Tiwari, Segev BenZvi, University of Rochester, for the Dark Energy Spectroscopic Instrument (DESI)

(Zoom Rm: Poster #6)

[Lightcurve Analysis of Minor Planet](#)

CDT Jacob Willis, United States Military Academy

(Zoom Rm: Poster #7)

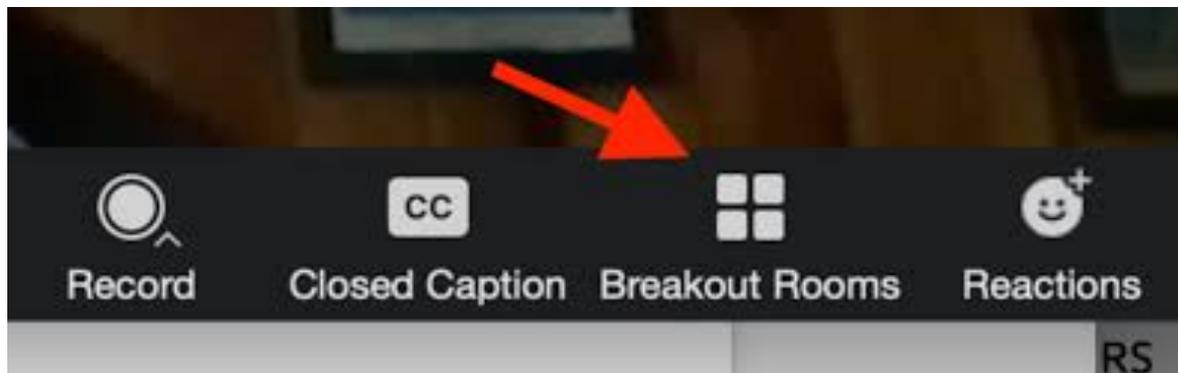
Field-controlled transport of Dirac particles with elliptical dispersion

George Zhang, Dr. Paula Fekete, Dr. Andrii Iurov, Dr. Godfrey Gumbs, United States Military Academy

(Zoom Rm: Poster #8)

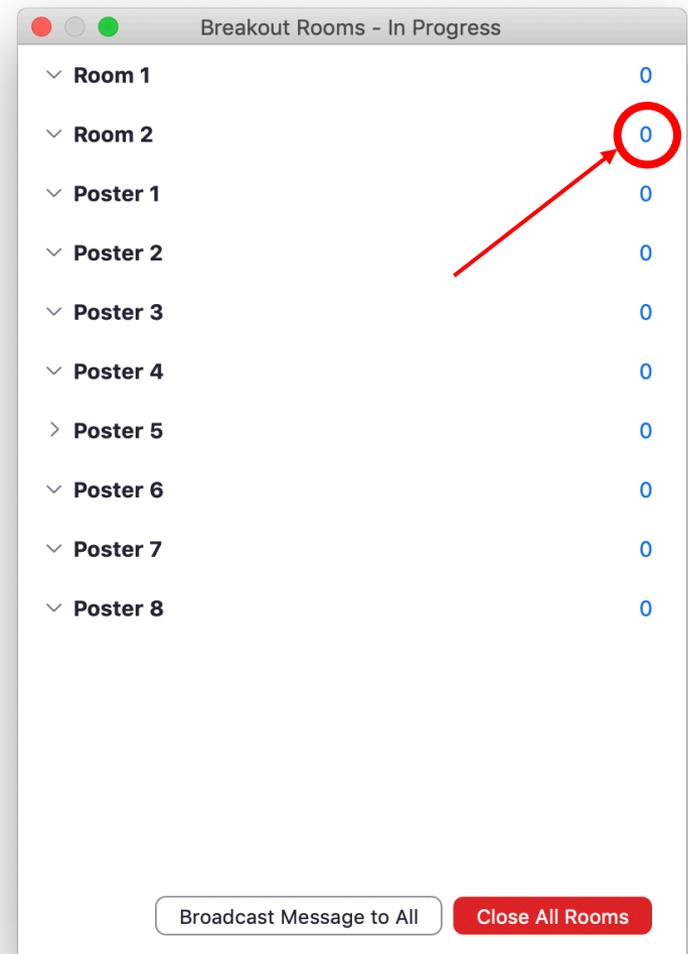
Moving Around RSPS 2021

- All talks and poster sessions will take place in breakout rooms.
- To go to a breakout room, click on the “Breakout Rooms” button:



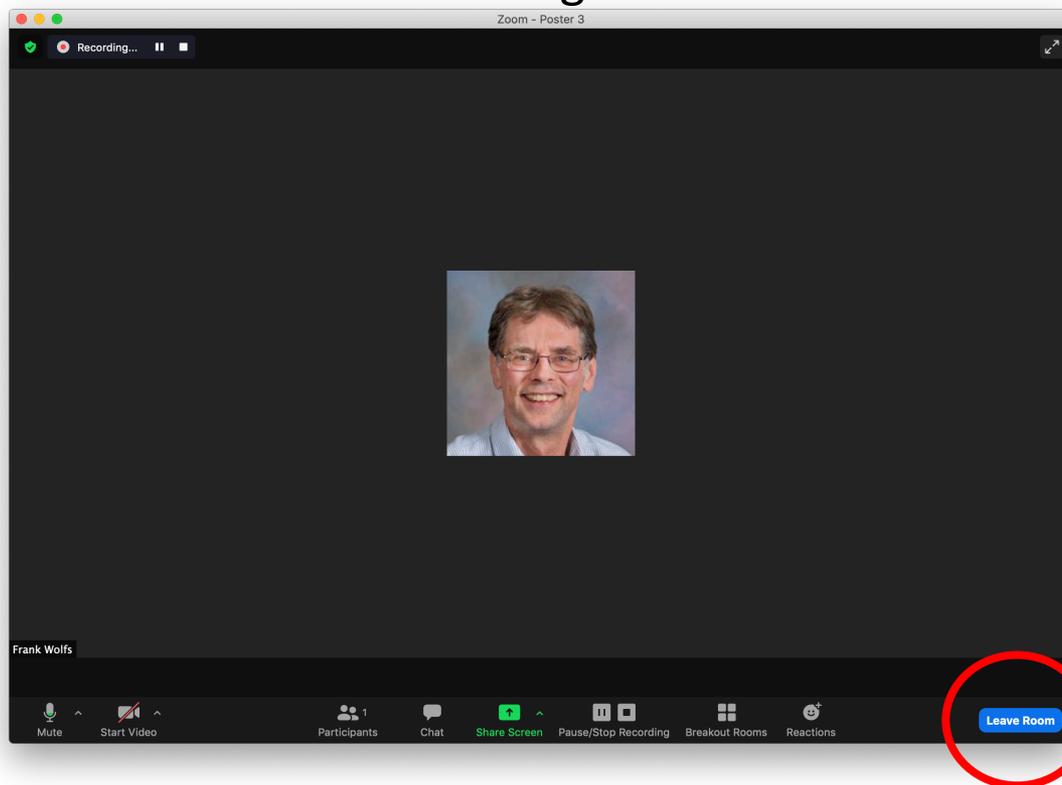
Moving Around RSPS 2021

- When you click on the “Breakout Rooms” button, a list of breakout rooms appears, as shown in the image on the right.
- Hoover with your mouse over the number of attendees of the room you want to move to. The number will change to “Join”. When you click on “Join” you will be asked if you want to join that room.
- **Note: when you move from the Main Room to a breakout room you may need to select the breakout room twice before you join.**



Moving Around RSPS 2021

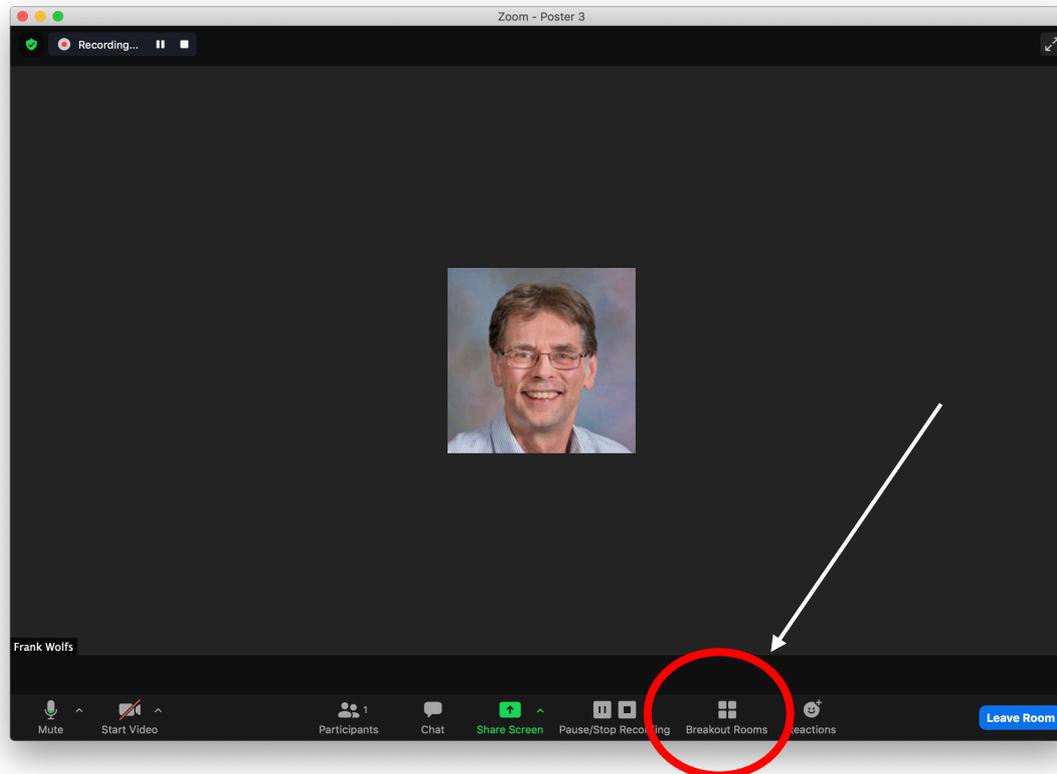
- To leave a breakout room and return to the main room, you click on the “Leave Room” button at the lower right-hand side.



- Note: you do not need to return to the main room to move to another breakout room.

Moving Around RSPS 2021

- To move from one breakout room to another breakout room, you click on the “Breakout Rooms” button at the lower middle of your window and select a new room.



RSPS 2021

- Enjoy your day!
- Please:
 - Turn on your video. It is nice to see the audience.
 - Mute your microphone, unless you are the speaker or are asking questions.
- Next year:
 - RSPS 2022: the 40th anniversary of RSPS.
 - This milestone will be celebrated in Rochester.
- The following year:
 - RSPS 2023: at Roberts Wesleyan College

Questions?

- Hosts
 - Linda Cassidy
 - Lysa Wade
 - Frank Wolfs
- Feel free to ask us questions via chat during this event. We will do our best to respond.
NOTE: you will need to return to the Main Room in order to chat with the hosts.