

## Technion – Physics Research Day 2021

### Graduate Student Posters

(Presented via [zoom](#) on March 18<sup>th</sup> 2021, from 18:00 to 19:00)

### Below is a list of Graduate Student Posters (with links).

The posters are divided into 5 groups – see table below.

During the Research Day, from 18:00 to 19:00 (in the same [zoom link](#) as the faculty lectures), you will be asked to join a Breakout Room. Each room corresponds to one of the poster-groups.

Each Breakout Room will hold 3 identical poster sessions (20 minutes each), one after the other.

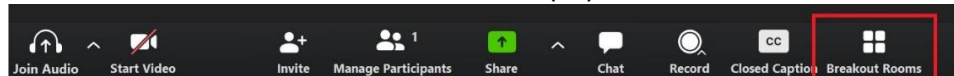
***The participants are invited to switch rooms every 20 minutes (and by that join 3 different poster sessions during the meeting).***

To join a “Breakout Room” in [zoom](#) (or to switch Breakout Rooms):

1. In your [zoom](#) window press the “Join Breakout Room” button.

The button is available in the bottom bar (↓)

OR on top of your [zoom](#) screen →



2. Choose the room you would like to join (see list below).

3. Press “Join”.

### List of Posters (5 groups):

Room 1 - Astrophysics, Cosmology and General Relativity				
<u>First Name</u>	<u>Surname</u>	<u>Email</u>	<u>Advisor</u>	<u>Poster (link)</u>
Noa	Zilberman	noazilber@campus.technion.ac.il	Amos Ori	<a href="#">Quantum effects inside black holes</a>
Roi	Rahin	roir@campus.technion.ac.il	Ehud Behar	<a href="#">GALI: A Gamma-ray Burst Localizing Instrument</a>
Aldana	Grichener	<a href="mailto:aldanag@campus.technion.ac.il">aldanag@campus.technion.ac.il</a>	Noam Soker	<a href="#">High-Energy Neutrino Emission From Common Envelope Jets Supernova (CEJSN)</a>
Itai	Gissis	<a href="mailto:itaigiss@gmail.com">itaigiss@gmail.com</a>	Ehud Behar	<a href="#">Laboratory Astrophysics X-Ray Absorption by Cold Gas</a>
Barry	Ginat	ginat@campus.technion.ac.il	Vincent Desjacques and Hagai Perets	<a href="#">The Probability Distribution of Astrophysical Gravitational-Wave Background Fluctuations</a>

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**Room 2 - High energy Physics and Plasma physics**

<b>First Name</b>	<b>Surname</b>	<b>Email</b>	<b>Advisor</b>	<b>Poster (link)</b>
Daniel	Maler	daniel.maler@campus.technion.ac.il	Yakov Krasik	<a href="#">Super-sonic jets generation using underwater electrical explosion of wire array</a>
Alexander	Rososhek	sasharos@campus.technion.ac.il	Yakov Krasik	<a href="#">Enhanced convergence of a cylindrical shockwave</a>
Yang	Cao	yangcao@campus.technion.ac.il	Yakov Krasik	<a href="#">High power microwave driven plasma wakefield in a cylindrical waveguide</a>
Chaja	Baruch	<a href="mailto:chajabaruch@campus.technion.ac.il">chajabaruch@campus.technion.ac.il</a>	Yotam Soreq	<a href="#">New Axial Vectors at the QCD Scale</a>
Yaniv	Weiss	yanivwe@campus.technion.ac.il	Yael Shadmi	<a href="#">Standard Model Effective Field Theories with No Lagrangians</a>

**Room 3 - Optics and Cold Atoms**

<b>First Name</b>	<b>Surname</b>	<b>Email</b>	<b>Advisor</b>	<b>Poster (link)</b>
Anatoly	Patsyk	anatolyp@campus.technion.ac.il	Moti Segev	<a href="#">Observation of Branched Flow of Light</a>
Gal	Ness	gn@campus.technion.ac.il	Yoav Sagi	<a href="#">Observation of a Smooth Polaron–Molecule Transition in a Degenerate Fermi Gas</a>
Elad	Zohar	elad.zohar@campus.technion.ac.il	Yoav Sagi	<a href="#">Towards Quantum computation in neutral Fermions</a>
Anastasiya	Vainbaum	anastasiyav@campus.technion.ac.il	Yoav Sagi	<a href="#">Absence of Heating in a Uniform Gas created by Periodic Driving</a>
Matan	Even Tzur	Mataneventsur@gmail.com	Oren Cohen	<a href="#">Selection rules for breaking selection rules in high harmonic generation</a>

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Room 4 - Biophysics and Condensed Matter				
First Name	Surname	Email	Advisor	Poster (link)
Yuval	Nitzav	yuvalni@campus.technion.ac.il	Amit Kanigel	<a href="#">Current Induced Fermi surface – ARPES study</a>
Daniel	Nikiforov	sdanielniki@gmail.com	Eitan Ehrenfreund	<a href="#">Spin in Organic Semiconductors</a>
Daniel	Potashnikov	sdannyp@campus.technion.ac.il	Amit Keren	<a href="#">The magnetic structure of a potentially 2D magnet explored by neutrons and muons</a>
Yonit	Maroudas-Sacks	yonit.m@campus.technion.ac.il	Kinneret Keren	<a href="#">Topological defects in the nematic order of actin fibers as organization centers of Hydra morphogenesis</a>
Omer	Granek	omer.granek@campus.technion.ac.il	Yariv Kafri	<a href="#">Tracer in an active bath Anomalous diffusion and negative friction</a>
Ashwini	Krishna	ashwini@campus.technion.ac.il	Kinneret Keren	<a href="#">Structure and dynamics of reconstituted contracting actin networks with turnover</a>
Yonit	Maroudas-Sacks	yonit.m@campus.technion.ac.il	Kinneret Keren	<a href="#">Topological defects in the nematic order of actin fibers as organization centers of Hydra morphogenesis</a>

Room 5 - Quantum Computing and Condensed Matter				
First Name	Surname	Email	Advisor	Poster (link)
Barak	Katzir	barakak@campus.technion.ac.il	Netanel Lindner	<a href="#">Superconducting fractional quantum Hall edges induced by repulsive interactions</a>
Giora	Peniakov	gyora@campus.technion.ac.il	David Gershoni	<a href="#">Optical phase measurements using deterministically generated multi-photon entangled states</a>
Eliya	Blumenthal	eliyab@campus.technion.ac.il	Shay Hacoheh-Gourgy	<a href="#">Demonstration of an entangling gate between non-interacting qubits using the Zeno effect</a>
Yuval	Abulafia	yuval.ab@campus.technion.ac.il	Eric Akkermans	<a href="#">Spectral behaviour of vacancies in graphene: A STMSTUDY</a>
Inbal	Peres	peinbal@campus.technion.ac.il	Itai Arad	<a href="#">A Loopy Belief Propagation algorithm for Tensor Network contraction</a>

**Good Luck,  
Efrat**

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