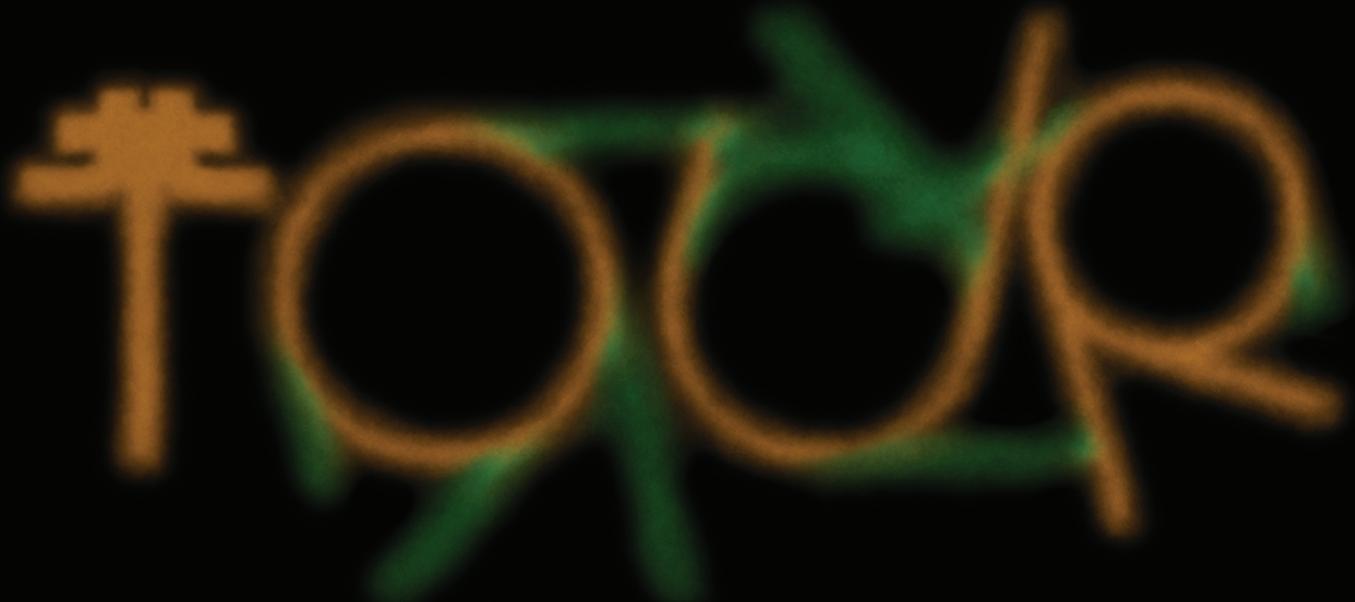


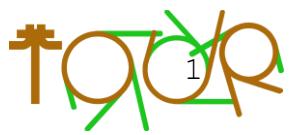
# TOUR'S PROPOSAL



Book, Music, and Lyrics  
DAVID QUANG PHAM

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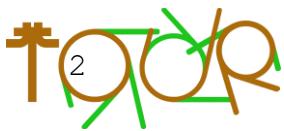


## THANK YOU

Name	Role
Emily Johnson	Data Scientist
Marcos "Danny" Caballero	Professor of Electromagnetism
Montana Earegood	Copyeditor
Ruthann Gregory	Physicist
Janelle Lawrence	Operatic/Musical Mentor
Haley Baird	Originated Reader of Quark
Bianca Waechter	Originated Reader of Lepton
Peter Louis Epstein	Originated Reader of Boson
Carina Goebelbecker	Originated Reader of Atom
Monica Cross	Originated Reader of the ensembles
Kami Visitsak	Originated Singer of Quark
Diana Easter	Originated Singer of Lepton
Brian Egland	Originated Singer of Boson
Rina Lubit	Originated Singer of Atom

## DEVELOPMENT

Date	Type	Site	Specific(s)
2015	Idea	Fermilab	The spark of love for particle physics
2017	Writing	Chicago	The start of writing this fable
2019 12	Discussion	New York	Reg E. Gaines of the Downtown Urban Arts Festival restructured the entire story
2020 4-24	Reading (Table)	The 24 Hour Plays	Hosted by Madelyn Paquette <a href="http://tourmusical.com/events/2020-4-24">tourmusical.com/events/2020-4-24</a>
5-16	Reading (Table)	S.I.S.R!	Hosted by Michael Perrie Jr and Lacy Reily <a href="http://tourmusical.com/events/2020-5-16">tourmusical.com/events/2020-5-16</a>
7-17	Reading (Table)	CreateTheater ETC	Hosted by Cate Cammarata <a href="http://tourmusical.com/events/2020-7-17">tourmusical.com/events/2020-7-17</a>
8-29	Reading (Table)	S.I.S.R!	Hosted by Michael Perrie Jr and Lacy Reily <a href="http://tourmusical.com/events/2020-8-29">tourmusical.com/events/2020-8-29</a>



## CHARACTER BREAKDOWN

Workshops/Productions: Casting the principal characters from underrepresented racial minorities are not recommended. Casting the principal characters from underrepresented racial minorities are required.

Character	Vocal Tone & Range
<u>QUARK</u> A student and physicist. Quotidian, Ubiquarian, Antiscian, Rachidian, K?	Musical Mezzo-Soprano
<u>LEPTON</u> A doctoral advisor and lab supervisor. Leaves Electricity Proportional To Obscure Negativity.	Musical Alto
<u>BOSON</u> A professor and lab director. Bright Or Sanctimonious Or Narcissistic.	Musical Baritone – Tenor
<u>ATOM</u> A scholar and right-hand scientist. Attentive Towards Outstanding Matters.	Operatic

### Ensemble

- |               |                       |              |
|---------------|-----------------------|--------------|
| - STUDENTS    | - RESEARCH ASSISTANTS | - PROFESSORS |
| - TECHNICIANS | - POLITICIANS         | - PARTICLES  |

## QUARK

	<p><b>Physical Traits</b></p> <p>Create a detailed description.</p> <p>- <b>Colourful</b></p>	
<p><b>Character Traits</b></p> <p>What is your character's personality?</p> <p>- <b>Random</b></p> <p>- <b>Extravagant</b></p> <p>- <b>Strange</b></p>	<p><b>Motivation</b></p> <p>Why does your character do what he/she does?</p> <p>If the world remembers she's an exchange particle, we'd put an effort into knowing where she's coming from and why she wants to be a physicist.</p>	<p><b>Name</b></p> <p>Write an acrostic poem of the character's name.</p> <p><b>Quotidian</b></p> <p><b>Ubiquarian</b></p> <p><b>Antiscian</b></p> <p><b>Rachidian</b></p> <p>K?</p>
	<p><b>Feelings</b></p> <p>What is your character feeling?</p> <p>- <b>Ambitious</b></p> <p>- <b>Jargon-ful</b></p> <p>- <b>Doubtful</b></p>	
		<p><b>Kami Visitsak</b></p>

## LEPTON

	<p><b>Physical Traits</b></p> <p>Create a detailed description.</p> <ul style="list-style-type: none"><li>- <b>Colourless</b></li><li>- <b>Ghostly</b></li></ul>	
<p><b>Character Traits</b></p> <p>What is your character's personality?</p> <ul style="list-style-type: none"><li>- <b>Spirited</b></li><li>- <b>Drained</b></li><li>- <b>Loaded</b></li></ul>	<p><b>Motivation</b></p> <p>Why does your character do what he/she does?</p> <p>As the cosmic particle, she is spiritual and believes in particles within everyone, so her concentration has always been particle physics.</p>	<p><b>Name</b></p> <p>Write an acrostic poem of the character's name.</p> <p>Leaves Electricity Proportional To Obscure Negativity</p>
	<p><b>Feelings</b></p> <p>What is your character feeling?</p> <ul style="list-style-type: none"><li>- <b>Electric/ Manic</b></li><li>- <b>Negative/ Depressed</b></li></ul>	
		<p><b>Diana Easter</b></p>

**BOSON**

	<p><b>Physical Traits</b></p> <p>Create a detailed description.</p> <ul style="list-style-type: none"><li>- <b>Bright</b></li><li>- <b>Tacky</b></li></ul>	
<p><b>Character Traits</b></p> <p>What is your character's personality?</p> <ul style="list-style-type: none"><li>- <b>Bright</b></li><li>- <b>Prideful</b></li><li>- <b>Lucid</b></li></ul>	<p><b>Motivation</b></p> <p>Why does your character do what he/she does?</p> <p>As the light particle, he knows that the world adores his presence and he likes that power and influence he has on the physics community.</p>	<p><b>Name</b></p> <p>Write an acrostic poem of the character's name.</p> <p><b>Bright</b> <b>O</b>r kind of <b>S</b>anctimonious <b>O</b>r seriously <b>N</b>arcissistic</p>
<p><b>Feelings</b></p> <p>What is your character feeling?</p> <ul style="list-style-type: none"><li>- <b>Intrigued</b></li><li>- <b>Angered</b></li><li>- <b>Confident</b></li></ul>		
 <p><b>Brian Egland</b></p>		

**ATOM**

**Physical Traits**

Create a detailed description.

- **Loveable**
- **Classic**

**Character Traits**

What is your character's personality?

- **Repetitive**
- **Cooperative**
- **Unstable**

**Motivation**

Why does your character do what he/she does?

As the matter that makes up the entire world and universe for that matter, they will run everything.

**Name**

Write an acrostic poem of the character's name.

**Attentive  
Towards  
Outstanding  
Matters**

**Feelings**

What is your character feeling?

- **Funny**
- **Anxious**
- **Jealous**  
(of QUARK)



**Rina Lubit**

## SYNOPSIS

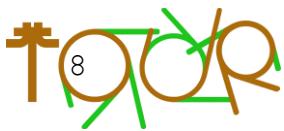
A physics fable, TOUR is an operatic musical that experiments with tango, pop, choral, and four particles named Quark, Lepton, Boson, and Atom. These standard particles collide and compete with one another in the physics academic and professional field. By the end of act one, they all pass college and get jobs at the particle accelerator. In the end of act two, they all die in the accelerator and rise as God Particles.

The characters are particles, who are searching to become perfect. In physics, particles seek out supersymmetry. Particles want to be perfect spheres. Not unlike a human being. We want to be well-rounded. The analogy is told through personifications of the particles in a nuclear reactor. Their types and class structure are costumed as human students and professors.

Quark is an exchange student, Lepton is her doctoral advisor, and Boson is the professor who tries to stop Quark from getting a career in physics.

The first act transcends the particles from college to career or from ground states to energy states. This follows Quark, an exchange student, as she graduates from her undergraduate degree to her doctorate. During her pursuit to be a physicist, she concentrates on magnetic physics and attracts Professor Boson who soon advances on her, so she rejects. He retaliates by ensuring that there are no paths to a career in physics and she experiences enlightening obstacles. As trouble ensues, she is taken under the wings of her doctoral advisor, Lepton.

The second act transcends the particles from career to death or from standard models to supersymmetry. This follows Quark, a recently hired technician, as she rises from being a subordinate to being the director of the Accelerator. In the Accelerator, Atom is a subordinate, Lepton is its supervisor, and Boson leads as the director. As Quark gets the respect she deserves from fellow technicians, Atom grows unstable and Boson loses his influence on the world of physics. When Boson resigns and hands his position to Quark, Atom take matters into their own hands.



## 15. SUPER COLLIDE

SCENE ii

*[Desertron]*

(LEPTON elegantly arrives, clad in a rancher's uniform.)

**LEPTON**

HOWDY. JOIN IN THE  
CIRCUIT!

*(Pointing in the distance.)*

HOME TO DESERTRON.  
HOPE, THESE RAYS  
HOLD IN. BEAMS AS FAR  
AS THE EYES CAN SEE  
ANY BEINGS TO  
EVER TOP YOUR DISSERTATION.

**QUARK**

NO LABS THERE YET. WHAT KIND OF ADVISING YOU DO TO  
LEAD US HERE?  
MY NATURAL PHYSICS HAS BEEN TRAINED TO GET YOU COFFEE.

*(LEPTON wanders off.)*

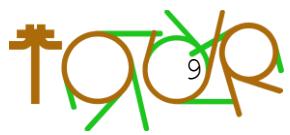
END UP WITH DESERTS.

*(Noticing LEPTON's disappearance.)*

NOT THE COURSE TO DESERT THIS DOCTORATE!

*(Motioning towards herself.)*

WELL, THERE IT GOES. MY CONCLUSION.  
EGO'S NEVER HYPERSENSITIVE. THIS MIND STAYS DEHYDRATED.



(LEPTON tiptoes in, sanding off an operator's control.)

**LEPTON**

HYPOTHESIS THAT THIS  
HEARTLAND OF  
INNOVATION BRINGS FREE  
ENERGY. WHERE NOT JUST  
MATTER EXISTS, BUT THEY  
MATTER IN OUR LAWS.  
IN FACT, FORCE THESE  
WAVELENGTHFUL KEYS.

(Handing the control to QUARK.)

PROPEL PROTONS, SMASHING THEM INTO A GRAPHITE'S NUCLEI,  
PRODUCING NEUTRONS WITH PIONS, POSITIVE NEGATIVE,  
TAKING THOSE POSITIVITIES, FOCUSED IN A BEAM SO THEY'D.  
PARDON MY, DECAY.  
JUST THEORIZ...  
SUPER COLLIDE.

(QUARK presses on the control.)

BEAMS SUPER COLLIDE!

(Preparing for the collision. When nothing happens, she takes over the control.)

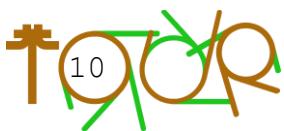
БЛЯДЬ (blyat).  
GIVE ME A MOMENT.  
HOLD UP UNIVERSE!

(Trying to raise QUARK.)

QUARK.

[Particles collide.]

BEHOLD THE DESERTRON!  
SUPERCONDUCTING SUPER COLLIDER!  
A SMASH.



## MUSICAL NUMBERS

♪#	Title	Character(s)
1.	<a href="#">Eigen</a>	ATOM
2.	<a href="#">Symmetry</a>	LEPTON BOSON ATOM students
3.	<a href="#">Exchange Particle</a>	QUARK ATOM
4.	<a href="#">Torsion</a>	QUARK LEPTON
5.	<a href="#">Available Energy</a>	QUARK
6.a.	<a href="#">Tachyon</a>	QUARK LEPTON BOSON ATOM students
7.	<a href="#">Nuclide</a>	QUARK BOSON ATOM
8.	<a href="#">Entanglement</a>	QUARK BOSON
9.	<a href="#">Crossing Field Lines</a>	QUARK BOSON
10.	<a href="#">Centration</a>	QUARK BOSON research assistants
11.	<a href="#">G</a>	QUARK LEPTON ATOM professors
12.	<a href="#">Anyon</a>	QUARK
13.	<a href="#">Valence</a>	QUARK LEPTON ATOM students
14.	<a href="#">Effusion</a>	QUARK
15.a.	<a href="#">Super Collide</a>	QUARK LEPTON technicians
16.	<a href="#">Particulate</a>	QUARK ATOM technicians
17.a.	<a href="#">Slepton</a>	QUARK BOSON ATOM politicians
18.	<a href="#">Backscatter</a>	QUARK LEPTON
19.	<a href="#">Charge</a>	QUARK LEPTON ATOM
20.	<a href="#">Electroform</a>	QUARK ATOM technicians
21.	<a href="#">Remanence</a>	QUARK
22.a.	<a href="#">Preon</a>	QUARK LEPTON
23.	<a href="#">Mole</a>	QUARK LEPTON BOSON technicians
24.	<a href="#">Elementary Particle</a>	QUARK ATOM
25.	<a href="#">Bring the Conductivity</a>	QUARK LEPTON
26.	<a href="#">Mass Charge Spin</a>	QUARK LEPTON BOSON ATOM
27.	<a href="#">Quantum</a>	QUARK LEPTON BOSON ATOM technicians
28.	<a href="#">Fusion</a>	QUARK BOSON ATOM
29.	<a href="#">Synchrotron</a>	QUARK BOSON technicians
30.	<a href="#">Hypercharge</a>	QUARK LEPTON ATOM technicians
31.	<a href="#">Isospin</a>	QUARK LEPTON BOSON ATOM

## MUSICAL NUMBERS (cont.)

<b>#</b>	<b>Title</b>	<b>Character(s)</b>
32.	<a href="#"><u>Subatomic</u></a>	QUARK ATOM technicians
33.	<a href="#"><u>Meson</u></a>	QUARK BOSON ATOM
34.	<a href="#"><u>Pion</u></a>	QUARK ATOM
35.	<a href="#"><u>Deuterium</u></a>	QUARK ATOM
36.	<a href="#"><u>Electron</u></a>	QUARK LEPTON technicians
37.	<a href="#"><u>Positron</u></a>	QUARK BOSON
38.	<a href="#"><u>Fission</u></a>	QUARK BOSON ATOM
39.	<a href="#"><u>Parity</u></a>	QUARK BOSON technicians
40.	<a href="#"><u>Baryon</u></a>	QUARK LEPTON BOSON ATOM
41.	<a href="#"><u>Decay</u></a>	QUARK LEPTON BOSON ATOM particles
42.	<a href="#"><u>Supersymmetry</u></a>	QUARK LEPTON BOSON ATOM particles
43.	<a href="#"><u>Knot</u></a>	COMPANY

Score

# 16 PARTICULATE TOUR

DAVID QUANG PHAM

Moderato

Fm A♭ C⁵ Am

A♭ C⁵ F⁵

A♭ E♭⁵ B♭⁵

ATOM

The musical score consists of three staves. The top staff is for 'ATOM' in treble clef, with lyrics: 'Am I too late? A-gain, Quark. A pos-tu-late'. The middle staff is for 'Piano' in bass clef. The bottom staff is for 'Drum Set'. The score is in common time, with a key signature of one flat. The piano part features eighth-note chords. The drum set part consists of a continuous pattern of eighth-note pairs.

5 Fm A♭ C⁵ F⁵

A♭ C⁵ F⁵

A♭ E♭⁵ B♭⁵

ATOM

Am I too late?

A-gain, Quark.

A pos-tu-late

Piano

Drum Set

Fm A♭ C⁵ F⁵

A♭ C⁵ F⁵

A♭ E♭⁵ B♭⁵

9 C G Dm Am A♭ C Fm B♭

ATOM dream - er. Al-ways in the clouds. Part-i-cu-lar-ly eer - ie

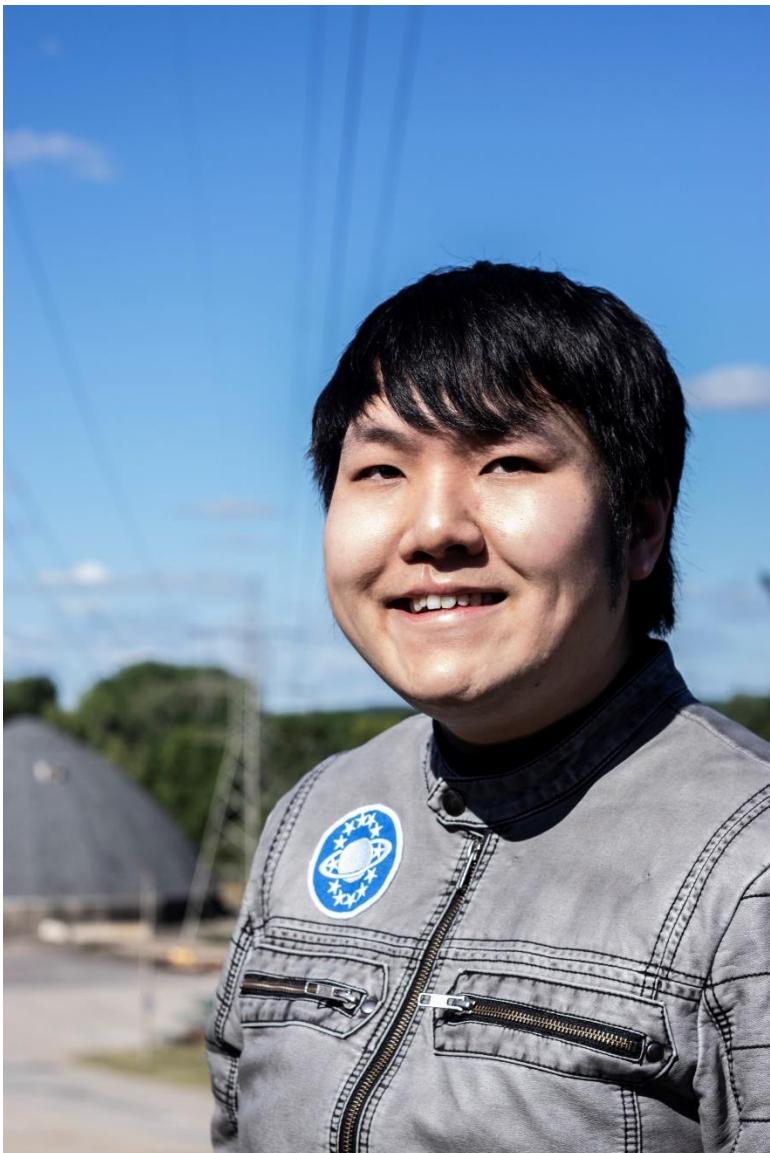
Piano

Drum Set

## SCENES & SET DESIGNS

<b>Act</b>	<b>Page</b>	<b>Location</b>	<b>SET   props</b>
I	8	University	PARTICLE BOARD displays a schedule, holds a box of tacks, hides a field line diagram DESK holds horseshoe magnets(4+) with a note stuck to a magnet, a field line diagram, a packet, a pen, a thesis, a decorative box hiding a magnet  tambourine, packets, scantrons, papers, alarm
I	54	Desertron	ABANDONED PARTICLE ACCELERATOR operator's control, cash
I	76	Magnet Factory	PARTICLE BOARD displays tacks DESK holding magnets, metals, a light bulb, wire packets
II	88	Accelerator	COLLIDER treasures, papers, pens, operator's control, magnets
III	129	Quantum World	COLLIDER

## DAVID QUANG PHAM



Born in Wyoming, Michigan, David Quang Pham is a science-based musical writer. He is the 2020-2021 Working Title Playwrights Apprentice in Atlanta. A member of Sigma Pi Sigma, Theater Resources Unlimited, ASCAP, and the Dramatists Guild, he attained an astrophysics degree with a minor in theatre at Michigan State University.

His theatrical and astronomical interests manifested as a child, with trips to operas and space camp. In middle and high school, he delved into music theory and played the trombone. The nerdy persona remained, and the artistic talents dwelled into his college years. As he was finishing his bachelor's thesis, his sister informed him that his high school calculus teacher had been

annually sharing his musical. During his junior year of high school, he wrote MATHLAND for their winter project. He returned to musical writing on the side of thesis writing. Soon, he uncovered his niche: the world of physics being told through the human experience.

As an artistic scientist, he theorizes that science and art are not two sides of the same coin. Science and art make the coin. He spins it.

**DAVID  
QUANG  
PHAM**

**Physical Traits**

Create a detailed description.

**- Does it really matter?**

**Character Traits**

What is your character's personality?

**- SCIENCE**

**Motivation**

Why does your character do what he/she does?  
**I**t's quite complex:  
**H**e will use the funds from his musical(s) to buy a ticket to space.

**Name**

Write an acrostic poem of the character's name.

**D**SCIENCE  
**A**SCIENCE  
**V**SCIENCE  
**I**SCIENCE  
**D**SCIENCE

**Feelings**

What is your character feeling?

**- MORE SCIENCE**



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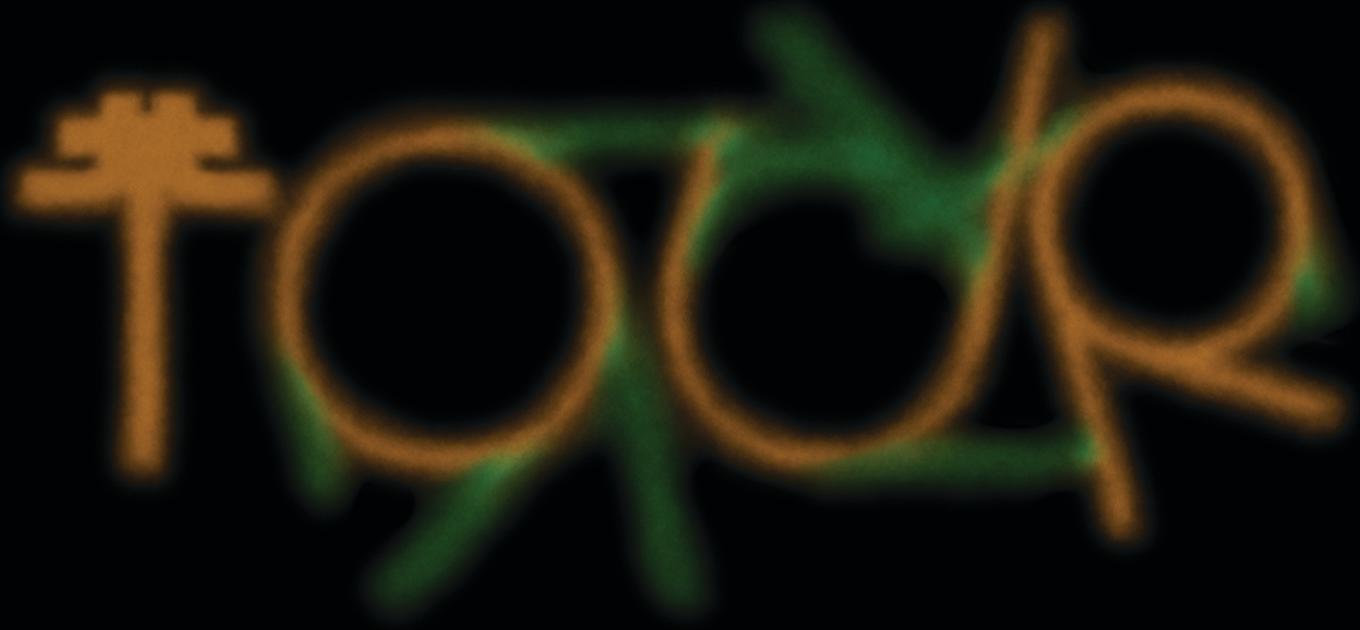
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