

DIRECTOR'S SCRIPT

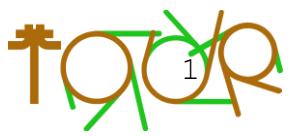


Book, Music, and Lyrics
DAVID QUANG PHAM

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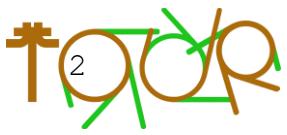


TOUR

A Musical

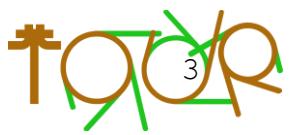
by

David Quang Pham



THANK YOU

Name	Role
Marcos "Danny" Caballero	Professor of Electromagnetism
Montana Earegood	Copyeditor
Ruthann Gregory	Physicist
Micealaya Moses	Dramaturg

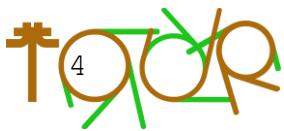


SYNOPSIS

What discoveries can be made when matters collide? Plenty of matters are missed in these life-changing impacts but coming around is possible with atom smashers. Set in the University to the Accelerator, *Tour* is a musical drama that tells the story of four physicists – Quark, Лептониа, Boson, and Atom – interacting in their field while taking on the ramifications when crossing each other's lines.

Quark enters the University as a student, dreaming of becoming a physicist. Professor Boson connects her to magnetism. However, their opposite charges never attract but an instance of perhaps, identical. Лептониа takes charge of Quark's livelihood each time Quark gets cut down by Boson; he has the power to fail anyone and even defund institutions.

With the introduction of this musical thesis, Quark acquires the circuits to bring unharnessed energy to the Accelerator. During the act that follows, Quark fulfills what the Accelerator is destined to accomplish. The success ends when Quark reaches supersymmetry during a particle accelerator "accident."



CHARACTER BREAKDOWN

Character	Vocal Range	Gender	Age
<u>QUARK</u> E A physicist.	Mezzo-Soprano – Soprano	Woman	Adult
<u>ЛЕПТОНИЯ</u> (leptonya) A doctoral advisor.	Alto – Mezzo-Soprano	Woman	Adult
<u>BOSON</u> GAUGE A physics professor.	Bass – Baritone	Man	Adult
<u>ATOM</u> A right-hand scientist that makes up for everything.	Tenor – Alto	Any	Adult
<hr/>			
Ensemble			
- STUDENTS - ENGINEERS	- RESEARCH ASSISTANTS - POLITICIANS	- PROFESSORS - TECHNICIANS	

NOTES ON ATTIRE & COSMETICS

Performer portraying Quark: In the emergence era of co-op research, she would fit in with generally a blouse, a belted skirt, and close-toed heels. She eventually lugs around her sentimental green helmet, attached to a lanyard around her neck.

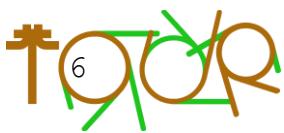
Performer portraying Лептония: She soils her science gear when she is working, but when she is not, she wears much more dull clothes. She dresses up as a rancher near the Desertron. She wears her orange helmet at the Accelerator.

Performer portraying Boson: He is suited to take on tenures. To demonstrate his reign, he is well-dressed for the Accelerator. He is a photonic figure, therefore brightening up the place.

Performers portraying engineers/technicians: The orange clothes and safety gear are for physics.

MUSICAL NUMBERS

#	Title	Character(s)
1.	Exchange Particle	QUARK ATOM
2.	Torsion	QUARK ЛЕПТОНИА ATOM
3.	Available Energy	QUARK
4.a.	Hard Run	QUARK BOSON ATOM students
5.	Entanglement	QUARK BOSON
6.	Crossing Field Lines	QUARK BOSON
7.	Centration	QUARK BOSON research assistants
8.	G	QUARK ЛЕПТОНИА ATOM professors
9.	Fuse	QUARK
10.	Valence	QUARK ЛЕПТОНИА ATOM students
11.	Effusion	QUARK
12.a.	Super Collide	QUARK ЛЕПТОНИА engineers
13.a.	Slepton	QUARK BOSON ATOM politicians
13.	Backscatter	QUARK ЛЕПТОНИА
14.	Electroforming	QUARK ATOM engineers
15.a.	Preon	QUARK ЛЕПТОНИА
16.	Bring the Conductivity	QUARK ЛЕПТОНИА BOSON ATOM technicians
17.	Hadron	QUARK ЛЕПТОНИА BOSON ATOM technicians
18.	Synchrotron: Magnet-Guided	QUARK BOSON ATOM technicians
19.	Meson Decay	QUARK ATOM technicians
20.	Hypercharge	QUARK ЛЕПТОНИА technicians
21.	Isospin	QUARK BOSON
22.	Pion	QUARK
23.a.	Catch Electrons	QUARK ЛЕПТОНИА BOSON technicians
24.	Photonic Parity	ЛЕПТОНИА BOSON ATOM technicians
25.	Supersymmetry	QUARK ЛЕПТОНИА
26.	Beyond Baryons	QUARK ЛЕПТОНИА particles
4b.	Hard Run (bow)	COMPANY

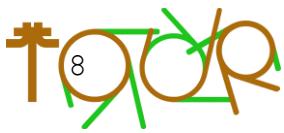


SCENES & SET DESIGNS

Scene Page	Location	SET props
I i 8	University	PARTICLE BOARD displays a schedule, holds a box of tacks DESK holds horseshoe magnets(4+) with a note stuck to a magnet, a field line diagram, a packet, a pen, a textbook, a decorative box hiding a magnet
I ii 15	Laboratory	PARTICLE BOARD displays a field line diagram DESK holds horseshoe magnets(4+), a note stuck to a magnet, a field line diagram, a packet, a pen, a textbook, a decorative box hiding a magnet
I iii 21	Office	PARTICLE BOARD displays a field line diagram DESK holds a field line diagram, a packet, a pen, a textbook, a decorative box hiding a magnet
I iv 29	Lecture Hall	packets, paperwork, scantrons
I v 50	Desertron	operator's control
I vi 58	Debate Chamber	operator's control cash
I vii 68	Magnet Factory	WORKSTATIONS hold magnets, metals, a light bulb, wire form pen
II i 75	Accelerator	ACCELERATOR BARRIER CHAIRS CHALKBOARD fog machine chalkboard eraser QUARK's id



ACT I



1. EXCHANGE PARTICLE

SCENE i

[University]

[A particle board displays a schedule, holds a box of tacks, and hides a desk.]

(ATOM staffs himself by the particle board.)

(QUARK wanders in.)

QUARK

ENDED UP IN UNIVERS-TY? ESTABLISH. MEANT
MAY I JOIN A TOURING CIRCUIT? ELECTRIC-. THE
LABS, DO THEY BEHOLD AND FORESEE? ESCAPED IONS.

(ATOM sees through QUARK. He dismisses her.)

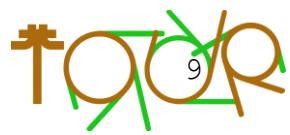
WHAT AM I, PART OF? COURSES FULL?

(Humbling herself.)

EXCHANGE.
IT'S NOT WHO I AM.
THE REAL ME.
NOT BEST IN SCIENCE.
I FORCED MYSELF.
GIVE MY ALL TO PHYSICS.

(Giving up.)

MY PARTING GOALS.



ATOM

QUARK.

(Scanning the schedule.)

E.

(ATOM rips the schedule off the particle board. He hands the schedule to QUARK.)

QUARK

SCHEDULE AT HAND, I

(Reading the schedule.)

GOT IN GAUGE COMMA BOSON!

PUPIL UNDER CHILD PRODIGY! HE WHO MAKES LIGHT
OF ALL EXPER-MENTS. ENLIGHTENED. NOT SO LONG 'GO
THAT ATOMS WERE BLOWING MY MIND...

(ATOM departs.)

(QUARK aches.)

PART OF YOU YANKED ME WITH THIS EX-.

(Ripping apart and dropping the schedule.)

CHANGING,
DEGREE'S
SO COLD.

(Nearing the particle board.)

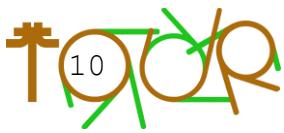
THIS FIELD'S
HEATED.

(Grabbing a tack from the box.)

CUTTHROAT.

*(Hastily putting the tack back in the box.
She spills the tacks onto the floor.)*

ACA-. DAMN
ME. UP.



QUARK (cont.)

(Kneeling. She sensitively picks up the tacks.)

BOTTOM.

TOP. DOWN.

STRANGE. CHARM.

(Grabbing the box.)

STANDARD,

MODELLED

STUDENT.

ACADEMIA.

(Churning the tacks in her hand. She boldly discards the box. She innovatively pins the tacks onto the particle board. She suddenly feels wedged.)

STATICS CONSERVE JUST WELL-CONNECTED THEORETICAL PHYSICISTS.

(Observing the tacks. She moves herself around the space, relative to the formation of the tacks on the particle board.)

BUT DYNAMICS,

TORQUE ANGLING UNCONNECTED ME TO BEST ALL PHYSICISTS!
GAIN, LOSE, ELECT ON BEING EXPERIMENTAL!

(Picking up the schedule. She attaches the schedule to the particle board.)

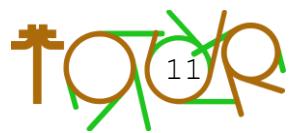
MAY NOT GET TO KNOW, BUT IT'LL FLOW, EXPLANATIONS.
CAN'T WAIT FOR BOSON. WHAT'S IN CORE? HOW'S HIS WORKLOAD?

IDEAS COME SO FAR. MATTERS, THEY WILL COME TO ME.
PARTICLE BOARD, THANKS FOR THIS EXCHANGE.

(Knocking on the particle board. She promptly gets a move on.)

2. TORSION

(ЛЕПТОНИА strolls in.)



(*QUARK collides into ЛЕПТОНИА.*)

(*ЛЕПТОНИА twists herself into a pretzel.*)

ЛЕПТОНИА

ДЕРЬМО (der'mo). TORSION.

(*QUARK helps ЛЕПТОНИА up.*)

TWISTED СУКА (súka).

QUARK

MEAN FREE PATH.

MEANT NO HARM.

ЛЕПТОНИА

WHY THE RUSHING?

(*QUARK tries to flee.*)

(*ЛЕПТОНИА grabs ahold of QUARK.*)

FASTER THAN LIGHT?

QUARK

DYNAMICS.

KEEP MOVING.

TORSIONS, TURNS.

BE LIKE YOU.

(*ЛЕПТОНИА releases QUARK.*)



ЛЕПТОНИА

YOU UNDERGRADS.
THERE'S NO TORSION
MORE TORTUROUS
THAN MATTERS THAT
TRY TO FIT IN.

(Motioning towards herself.)

SOON CROWNED DOCT-RAL.

(Directing QUARK to a destination.)

LABS, THEY'RE A BLAST.

(Adjusting herself.)

MUST NOT DECAY.
THE NAME'S ЛЕПТОНИА.

(Hurrying off.)

3. AVAILABLE ENERGY

QUARK

AVAILING MASTER
ENERGIZED THIS NEWCOMER.
WE SHARED A DEVOTION, CAREER IN PHYSICS.
DISTRIBUTION, FIXED
AMOUNT OF ENDURANCE 'MONGST
IDENTICAL PERSONS. ACTIVATE KINEMATICS!

(Disorderly moving about.)

FREE AVAIL-BLE ENERGY!
I'LL ENTAIL THE MECHANICS!
I'LL UPSCALE THE MAGNETICS!
I'LL UNVEIL THE DYNAMICS!
I'LL AVAIL IN ALL PHYSICS!
I'LL PREVAIL AS PHYSICIST!
FREE KINETIC ENERGY!
NOT DERAILED TRAINING!

(Focusing her energy.)

GET LOST IN THE CALCULUS!

(*QUARK rigidly moves about.*)

QUARK (cont.)

FREE AVAIL-BLE ENERGY!
I'LL CURTAIL ALL THE LIMITS!
I'LL ASSAIL DERIVATIVES!
I'LL DETAIL THE STATISTICS!
I'LL AVAIL ALL THINGS PHYSICS!
I'LL PREVAIL AS PHYSICIST!
FREE KINETIC ENERGY!
AND NOT FAIL SPIRIT!

(*Condensing her energy.*)

BE FLUID IN MECHANICS!

(*Smoothly moving about.*)

FREE AVAIL-BLE ENERGY!
I'LL INHALE AIR WHO ARE QUICK!
I'LL EXHALE ALL THAT'S HOMESICK!
I'LL ENGAIL THEM WITH MY WITS!
I'LL AVAIL THOSE IN PHYSICS!
I'LL PREVAIL AS PHYSICIST!
FREE KINETIC ENERGY!

(*ATOM and STUDENTS enter.*)

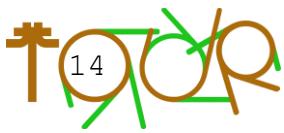
(*QUARK stops.*)

DON'T BLACKMAIL SCEPTICS.

(*BOSON enters. He flips the particle board.*)

[*The particle board displays a field line diagram.*]

(*QUARK adjusts herself.*)



QUARK (cont.)

ENTROPIC TIMES THEN
CHAOS. PUT WORK AS OPTIME.
UNIT IS ALWAYS TIME. A DEGRADATION,
'LECTROSTATICS CLASS.
AVOID THAT COLLISION COURSE.
COLLAPSE THROUGH SYNERGY. ENERGIZE POTENTIAL.

4. HARD RUN

SCENE ii

[*Laboratory*]

(*QUARK, ATOM, and STUDENTS gather around BOSON and prepare for the lecture.*)

(*BOSON paces.*)

[*An explosion audibly rings.*]

(*QUARK solely hears the explosion.*)

STUDENT

NEUTRONS !

(*BOSON dismisses the answer.*)

STUDENT

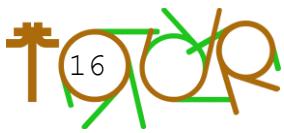
PHONONS !

(*BOSON dismisses the answer.*)

STUDENT

MUONS !

(*BOSON dismisses the answer.*)



STUDENT

BOSON?

(BOSON seems taken off guard.)

ATOM

BORONS... THEORY!

(STUDENTS ponder.)

ATOM

THAT'S IT!

STUDENTS

(Hysterically laughing.)

(BOSON feels disappointed.)

(QUARK sticks out.)

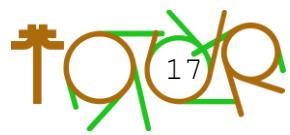
(STUDENTS ponder.)

QUARK

POS-TIVE. NEG-TIVE.

BOSON

TOUR.



BOSON

LET IT FLOW.
DO BUILD YOUR NEST.
DO THEY ATTRACT
ATTENTION

STUDENTs

'LECTRICITY!
WITH 'LECTRONICS!
SO MAGNETIC!

QUARK

YOU WOULD LET ME
BUILD MYSELF IN YOUR
LABOR-TORY?

STUDENTs

IT'S EXCLUSIVE!
NO EXPER-ENCE!
SESSION IS FULL!

(*BOSON nods. He pushes the board out, revealing horseshoe magnets on a desk.*)

BOSON

PERFORM A CONTROLLED EXPER-MENT. FORCE. ATTRACTING.
USING FERROMAGNETS. PERMANENT DIPOLES. REMOVE FIELDS
OUTSIDE. DISCIPLES. ADVICE. DON'T REDUCE TO ZERO.
SPON-TANE-OUS RAC-TION. TRY COBALT, YOUR SAKE.
ELECTRONS. UNPAIRED. COVALENT.

STUDENTs

TAU!

(*Scattering. They each grab a magnet.*)

STUDENT

(*Pointing a magnet to another STUDENT.*)

COMPASS FACES...

STUDENTs

ATTRACTION HERE!

(*A different STUDENT directs their magnet to another STUDENT.*)



STUDENT

YOUR FRIDGE RUNNING?

STUDENTS

HA, CAUSE MAGNETS!

ATOM

(Reaching for another STUDENT.)

YOU SEE, MAGNATE.

STUDENTS

STILL THE BORON!

(BOSON takes two magnets. He extends one to QUARK.)

BOSON

PARAMAGNET?

QUARK

I WOULD BE HONOURED.

(Accepting the magnet.)

STUDENTS

OH INDUCTANCE!

QUARK

SAY, WE'RE 'TRACTED.

STUDENTS

A LITTLE FORCED!

BOSON

REPEL!

(*Each pair of STUDENTS distance themselves, forming magnetic formations. In hand, they dance with magnets facing each other.*)

(*ЛЕПТОНИЯ passes the experiment. She appears enjoyably disheveled.*)

(*QUARK seems distracted by ЛЕПТОНИЯ. She increasingly repels away from BOSON.*)

(*Their experiment concludes.*)

4a. HARD RUN (reprise)

(*BOSON notices the note attached to his magnet. He detaches it. He reads it.*)

BOSON

I HAVE BEEN CHOSEN, DIRECTOR OF THE ACCELERATOR...

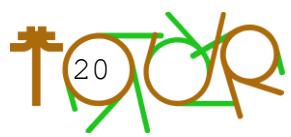
STUDENTS

PLEASE DO NOT GO!
WE'LL ALL MISS YOU.
CONDUCTIVITIES.

(*BOSON remains silent.*)

PROFESSOR'S SPEECHLESS.
THINK IT OVER!

(*BOSON waves STUDENTS off.*)



STUDENTs

WE WILL REPEL!

(*Departing.*)

5. ENTANGLEMENT

SCENE iv

[Office]

(QUARK hands the thesis to BOSON.)

BOSON

(Reading the thesis.)

ÉTUDE THÉORIQUES DES MAGNÉTIQUE MOLÉCULAIRES (e-tude
there-reek des mag-ne-teak mo-le-cu-lairs).

(Setting aside the thesis.)

FLUXING DOWN AN UNDERGRADUATE THESIS?

(QUARK nods.)

LEFT COLLEGE IN FRACTION OF TIME BUT STILL PROUD,
YOU JUST MAY GET HERE
IN NO TIME.

ARE YOU INTO QUANTUM ENTANGLEMENT?
STILL MAGNETIC EXCITATION TO BE FOUND.
YOU GIVEN PICKING UP PHOTONS FOR A CHANCE?
A COUPLED QUBITS?
LIL HIGH ENERGY.

(Grabbing a magnet. He points the magnet at
QUARK. He chuckles. He sets down the magnet.)

MAGNETIC, BARS, MOMENTS.

(Shaking QUARK.)

WHEN WE'RE YOUNG, MAKING WAVES.
PART-CLE HORIZON'S A FLASH,

(Releasing QUARK.)



22

BOSON (cont.)

REACH ENLIGHTENMENT.

(*QUARK distances.*)

JUST A PARTICLE ROAMING IN A VACUUM.
FOUND A PART OF ME AS RAW AND RESOURCEFUL.
MAGNET-FOCUSED AND COME ON PARTICLE BOARD.

(*Attaching particle accelerator blueprints
to the particle board.*)

EXCEL IN THE ACCELERATOR.

(*Forcing QUARK to attach the field line
diagram to the particle board.*)

RESEARCH COLLAB-RATION.
INDEPENDENT SCHOLAR.

(*Shrugging off.*)

VACUUM, THERE'S NOTHING TO PROVE—

(*Switching topics.*)

'VIDE THAT STEM GRANTS FOR YOU.
DISCOVERIES. SYMMETRY.
THE JOURNEYS. QUITE LOOPY.

(*QUARK eyes the field line diagram.*)

(*BOSON pulls out the decorative box from the
desk. He gets on one knee in front of QUARK.*)

FIELD THEORIES PROPOSED, WILL YOU
(*Opening the box, revealing a magnet.*)
QUANTUM ENTANGLE ME?

6. CROSSING FIELD LINES

(QUARK may express mixed feelings.)

QUARK

THE FIELD LINES HERE, CROSSED.

(BOSON looks through the thesis.)

BOSON

OP-SITE CHARGES REPEL.

QUARK

THAT WAS THE RESULT OF THE EXPERIMENT.

(BOSON marks the thesis.)

(QUARK builds rage.)

(BOSON builds remorse.)

BOSON

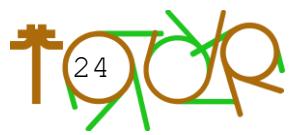
THE OPPOSITES SHOULD ALWAYS ATTRACT-ACT.

(Pleading to an unmoving QUARK.)

REACT. CONNECT. YOU ARE NOTHING BUT STEEL. MAGNET. I AM. NEG-TIVE ENDS POSITIVE.

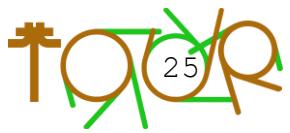
(Falling in shambles.)

END TOUR. END TOUR. END TOUR. END TOUR. END TOUR. END TOUR. END TOUR.



QUARK

THE FIELD LINES SHOULD NEVER BE CROSSED!



7. CENTRATION

(*BOSON throws a physics packet at QUARK.*)

BOSON

TENURE AS PROFESSOR ENDS LATER. EVERY LECTURE,
LABOR-TORY, COLLOQUIUM. YOUR SCHOOLING WILL FEEL LIKE
TEN YEARS.

(*QUARK picks up the packet.*)

COULD YOU CONCENTRATE?
STUDENT.

(*QUARK begins solving.*)

OH, YOU INFUR-ATE.
R. A'S.
DETERIORATE.
CONCEN-

(*RESEARCH ASSISTANTS march in, holding packets.*)

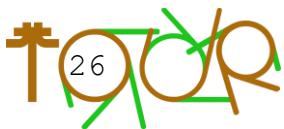
BOSON **RESEARCH ASSISTANTS**
TRATE.

(*RESEARCH ASSISTANTS stand by BOSON.*)

RESEARCH ASSISTANTS

IN COMES INTERACTION.
OH THE NUCLEATION.
A PLASMIC COLLISION.

(*Singularly throwing a packet at QUARK.*)



RESEARCH ASSISTANTS (cont.)

IN NAME OF CENTRATION.
WHY THE INFURATION?
LEADS TO DETER-RATION.
CONCENTRATE.

BOSON

WEAK.
BUT YOUR INTERACTION HAS ALWAYS IMPACTED ME.
FIRM NUCLEATION.
COUPLED.
QUARK-GLUON PLASMA.
QUANTA.
DEFY CENTRATION.

QUARK

FIELD LINES CROSS
ONLY IF I DROP THE QUALITY OF MY DATA.
YOUR INHIBITION'S
ERROR.
THIS OLIGOMER'S
FLUID.

BOSON

DON'T CONCENTRATE NOW.
YOU LEARN QUICK.
THE MATTER BETWEEN US, THE ONLY THING YOU'LL EVER
CROSS.
OLIGOMERS, NO UNITS WILL EVER BE REPEATED.
MASTER EQUATION.

(RESEARCH ASSISTANTS head in various directions.)

BOSON (cont.)

QUANTUM
ARE AGGREGATION.
OUTLIER!

(*Pointing to QUARK.*)

APPLY CENTRATION.

(*RESEARCH ASSISTANTS surround QUARK.*)

CONCEN-

BOSON **RESEARCH ASSISTANTS**
RATE.

(*RESEARCH ASSISTANTS throw all the packets at QUARK.*)

RESEARCH ASSISTANTS
ALL THE FRAGMENTATION.
NOT A GLOBAL FITTING.
JUST SCALING EXPONENT.
HAVE RESPECT FOR RATE LAWS.

(*QUARK kneels.*)

QUANTUM INDETERMIN-C'.
PRIMOR-DAL BEHAVIOURS.
CONCENTRATE.

(*BOSON snatches the packet from QUARK.*)

CONCENTRATION.
CAN THINK RIGHT?



(*BOSON marks the packet.*)

CENTRATE.

(*BOSON hands the packet to QUARK.*)

CONCENTRATION.

CAN YOU BELIEVE?

(*QUARK brokenheartedly reads the packet.*)

CENTRATE.

(*BOSON grabs a book.*)

CONCENTRATION.

CAN YOU FEEL IT?

(*BOSON throws the book in QUARK's face.*)

(*QUARK falls back, unconscious.*)

CENTRATE.

CONCENTRATION.

(*Clearing the office.*)

CAN'T

CONCENTRATE.

CENTRATE.

(*BOSON and RESEARCH ASSISTANTS march off.*)

8 . G

SCENE v

[Lecture Hall]

(ATOM and PROFESSORS wander in. They pick up
and read the packets.)

ATOM

GRADES DO NOT FIT THE CURVATURE, QUARK.

PROFESSOR

I Q IS LEFT TO BE TRULY DESIRED.

ATOM/PROFESSOR

SUCCESS IS THAT, NOT WITHIN YOUR VERY REACH.

ATOM/PROFESSOR

B'S STAY IN TRASH BINS OF HIST-RY.

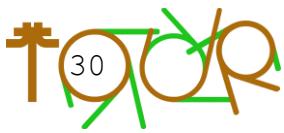
ATOM/PROFESSOR

LENS, THERE IS NONE THAT WE WILL EVER SEE THROUGH.

ATOM/PROFESSOR

WHAT THE F'S, YOU MIGHT AS WELL JUST KILL YOURSELF.

(QUARK sits up.)



ATOM

GRAV-TY.

ATOM

PROFESSORs

FORCE YOU'LL BRING IS G.

(Leveling with QUARK.)

GRAD PROGRAMS ARE EXCLUSIVE.

DON'T HAVE WHAT IT TAKES FOR A MASTER'S.

(Gathering the packets.)

(ЛЕПТОНИА rushes in.)

ЛЕПТОНИА

БЛИН (blin).

I'M LATE, SORRY, PROFESS-...

(Noticing QUARK.)

WHAT A STRANGE DAY TO SELECT DOCT-RATE CANDIDATES.

(Heading to QUARK.)

CHARMING MATTERS WITHIN YOU.

FAMILIARITY.

(Recognizing QUARK.)

YOU MADE ME MISS IT!

(Raising QUARK.)

YOU SAVED ME THE TROUBLE OF HAVING MISSED OUT ON AN ATOM SMASHING ACCIDENT.

(Embracing QUARK.)

(ATOM motions for ЛЕПТОНИА to not disclose that information.)

ATOM

AFFLICT.

ATOM

FORCE CLASSIFIED, JEEZ.
 BRIGHT ADVISOR, ЛЕПТОНИА.
 FIND ONE UNBENT.
 NOT THIS DELINQUENT.

PROFESSORS

ЛЕПТОНИА

I KNOW G-FORCE BEING

ATOM

PROFESSORS

YOU'LL KNOW G-FORCE.

ATOM/PROFESSOR

A FORMER DOCTORAL
 CANDIDATE.

A BURDEN SO PECUL-AR.
 WEAK.

ATOM/PROFESSOR

PUPIL BRINGS LONG
 DAYS, SHORT NIGHTS,
 ATOMIC WEEKS.

ATOM/PROFESSOR

PHYSICS, CLASSIC, QUANTUM,
 BASIC, NEVER SLEEP.

EQUATIONS, UNFIT SO
 YOU HAVE TO TWEAK.

(ЛЕПТОНИА takes the packet from ATOM. She
 reads the packet.)

ЛЕПТОНИА

AT THE VERY LEAST, SHE HAS PRINCIPLED HALF SPINS!

ATOM

SPIN IT.

PROFESSORS

FLUX, GIVEN NONE.



PROFESSOR

HER VARIABLE IS JUST A MASS.

ЛЕПТОНИА

CLASSIFICATION, YOU'VE PUT
ALL US IN, NO MORE, NO
LESS, INTEGERS, BUT SHE
HAS ELECTRICITY.

ATOM

YOU KNOW THAT I KNOW
THAT THERE'S LOTS TO
SURPASS.

PROFESSOR

METHODS, NONE
INTEGRAL ITS ANGLING
FOR.

(ЛЕПТОНИА returns the packet to ATOM.)

ATOM

GRAV-TY.

ЛЕПТОНИА

FELT I FORCE THESE G'S.

PROFESSORS

FORCE YOU'LL FEEL ARE
G'S.

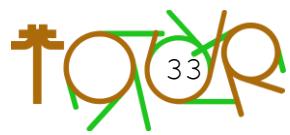
(ЛЕПТОНИА takes QUARK out for a spin.)

(QUARK flounders around.)

(ATOM and PROFESSORS humbly depart.)

ЛЕПТОНИА

YOU SURE NEED SOME ANGULAR MOMENTUM IN YOU.
IDEALLY, COMMIT TO OCCUPY THIS STATE.



(*QUARK seems hesitant.*)

ЛЕПТОНИА (cont.)

MATTERS THAT ARE PARTICLES WITHIN YOU.

ATOM

PROFESSORs

OCCUPY STATE!

ЛЕПТОНИА

NAME?

(*QUARK whispers into ЛЕПТОНИА's ear.*)

QUARK?

SEEMS TO HAVE A LACK OF SPIN.

FIRM.

I AM IN ANY CIRCLES, ORBITALS.

ДРУГ (drug).

YOU'RE A FORCE TO BE WEIGHTED UPON THEE!

(*Stopping the momentum.*)

STATE. HAVE TO SPIN TO!

(*Spinning off.*)

9. FUSE

QUARK

SO CONFUSED.

REFUSE.

DIFFUSE.

IN-...

FUSE.

SO ELECTRIFYING!

NOW IS THE PERFECT TIMING.

YET, THE WOUND HAS LEFT ME STATIC.

QUARK (cont.)

THUNDER LATER!

CHARGE YOURSELF TO FLOW LIKE LIGHTNING!

(*Bringing herself back to reality.*)

THUNDER...

(*Shedding a tear.*)

NOTHING LIKE OVERCURRENT.

RAIN OFF EXCESS HEAT. END MY FIRE. ZAP.

(*Flinching.*)

BREAKER OUT OF ALL THE CURRENT. POSITIVE. NEGATIVE. SO IMBALANCED...

MUST KEEP FEELINGS GROUNDED... LIGHTNING...

SHORT CABLE THAT SUFFUSE.

SURE AM UNABLE TO

REFUSE... RESISTOR. LIMITER. CURRENTLY CAN'T.

CLIPPING. YOUR POWER RATING IS PROFUSE.

SWEATING. SENSORS DETECT MY HEART BEATING.

HERE GOES NOTHING. SOMETHING. ELECTRIFYING...

ZAP.

10. VALENCE

(*STUDENTS wander about.*)

STUDENTs

IT'S HIGHER ENERGY LEVEL.

THIS HIGHER EDUCATION HAUL.

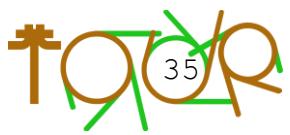
IT'S HIGHER ENERGY LEVEL.

THIS HIGHER EDUCATION HAUL.

(*ЛЕПТОНИЯ trudges in, carrying paperwork with scantrons.*)

QUARK

OSCILLATIONS DOC!



STUDENTs

IT'S HIGHER ENERGY LEVEL.

THIS HIGHER EDUCATION HAUL.

QUARK

ALT-NATING CURRENTS?

STUDENTs

IT'S HIGHER ENERGY LEVEL.

THIS HIGHER EDUCATION HAUL.

QUARK

SPECIAL STATES TODAY?

STUDENTs

IT'S HIGHER ENERGY LEVEL.

THIS HIGHER EDUCATION HAUL.

QUARK

ANY PHENOMENA?

STUDENTs

IT'S HIGHER ENERGY LEVEL.

THIS HIGHER EDUCATION HAUL.

ЛЕПТОНИА

ALARM, INFREQUEN-.

STUDENTs

THIS EMISSION LEADS TO GROUND STATE.

THAT ADMISSION LEAVES YA GROUNDED.



(ЛЕПТОНИА hands a paper to QUARK.)

ЛЕПТОНИА

SEE

STUDENTS

WHO IS THIS EDUCATED
SPOIL?

WHAT A LOW ENERGY
LEVEL.

ЛЕПТОНИА

TO INTEGRATION.

STUDENTS

WHO IS THIS EDUCATED
SPOIL?

WHAT A LOW ENERGY
LEVEL.

(ЛЕПТОНИА dumps the paperwork into QUARK's
arms.)

ЛЕПТОНИА

D'RIVE ON.

STUDENTS

WHO IS THIS EDUCATED
SPOIL?

WHAT A LOW ENERGY
LEVEL.

(QUARK demonstrably questions the contents
of the paperwork.)

ЛЕПТОНИА

POSTULATE. A POS-.
THINK SPHERE.

STUDENTs

WHO IS THIS EDUCATED
SPOIL?

WHAT A LOW ENERGY
LEVEL.

QUARK

CHECK VALIDITY.

STUDENTs

JUMP UP THOSE ENERGY
LEVELS!

BUMP OUT SOME ENDLESS
CREDENTIALS!

(ЛЕПТОНИА eyes STUDENTs.)

QUARK

ASSUME MY MOTIVE.

STUDENTs

MOTIVATION.
MAKE ASSUMPTIONS.
NATURAL EQUATIONS.
DIRECT NOTATIONS.

FIRST ORDER NOTED.

(QUARK disorderly eyes STUDENTs.)

FRESH SCHOLARS UNVEILED.

GENERATIONS.
INFORMATION.
OBSERVATION.
SHELLED ELECTRONS!

SURVEILLANCE.

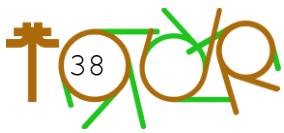
SERVE VALENCE.

ЛЕПТОНИА

TEACHING ASSISTANT.

STUDENTs

WE HAVE AN IMPORTANT QUESTION.



ЛЕПТОНИА

THESE STUDENTS

STUDENTs

WE HAVE AN IMPORTANT QUESTION.

ЛЕПТОНИА

SUCK ENERGY

STUDENTs

WE HAVE AN IMPORTANT QUESTION.

ЛЕПТОНИА

OUT OF YOU.

STUDENTs

WE HAVE AN IMPORTANT QUESTION.

QUARK

STATE, I'M FAMILIAR.

STUDENTs

THIS MIGHT BE A
STUPID QUESTION.

(*QUARK coalesces STUDENTs.*)

QUARK

CONVECTION, IT'S CHILL.

STUDENTs

GEE PROFESSOR ЛЕПТОНИА.

QUARK. QUARK.

QUARK

OPTICAL, LOOKS GOOD.

STUDENTs

GEE PROFESSOR ЛЕПТОНИА.

QUARK. QUARK.

QUARK

BASIC-LY, I'M HIP.

STUDENTs

GEE PROFESSOR ЛЕПТОНИА.

QUARK. QUARK.

QUARK

I'LL ADDRESS ALL QUESTIONS!

STUDENTs

GEE PROFESSOR ЛЕПТОНИА.

QUARK. QUARK.

ЛЕПТОНИА

SO FAILING. ASK IF

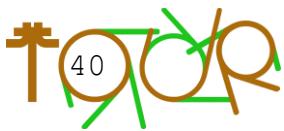
STUDENTs

THANK YOU, QUARK E!
THANK YOU, QUARK E!

NO THANKS TO YOU,
ЛЕПТОНИА.

ЛЕПТОНИА

QUESTIONS 'RISE BRIEFLY



STUDENTs

THANK YOU, QUARK E!
THANK YOU, QUARK E!

NO THANKS TO YOU,
ЛЕПТОНИА.

ЛЕПТОНИА

THEN YOU SNUB. NO

STUDENTs

THANK YOU, QUARK E!
THANK YOU, QUARK E!

NO THANKS TO YOU,
ЛЕПТОНИА.

ЛЕПТОНИА

NEED VALIDATION.

STUDENTs

THANK YOU, QUARK E!
THANK YOU, QUARK E!

NO THANKS TO YOU,
ЛЕПТОНИА.

(Becoming robotic.)

(ATOM struts in.)

ATOM

STEAL 'LECTRICITY. I'LL
SURVEIL HERE. HIGHER
LEVEL. HOW'S THAT GOING?

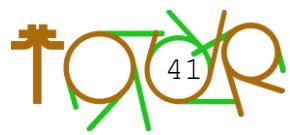
STUDENTs

EXACTLY WHAT IS SPIN?
QUARK E?

QUARK

(Flabbergastingly answering.)

SPIN IS AN ODD MAGNETIC PROPERTY ENCOMPASSING QUANTUM
'LECTROMAGNETISM THEO— REALLY, WE SHOULD 'DRESS THE
MATTER HERE.

**ATOM**

YOU CAN'T SPIN THIS.
YOU CAN'T SPIN THIS.
YOU CAN'T SPIN THIS.
YOU CAN'T SPIN THIS.

STUDENTs

EXACTLY WHAT IS SPIN?
T A?

QUARK

I NEED TO EIGENSTATE THE UP-DOWN OBSERVABLE. YOU'RE
ALWAYS IN MY SPACE?

ATOM

YOU CAN'T SPIN THIS.
YOU CAN'T SPIN THIS.
NEED TO MENTION.
YOU CAN'T SPIN US.

STUDENTs

EXACTLY WHAT IS SPIN?
TEACHER?

QUARK

SPACETIME FABRICATION BRINGS ABOUT LIMITATIONS, SO
LET'S

ATOM

YOU CAN'T SPIN US.
YOU CAN'T SPIN US.
YOU CAN'T SPIN US.
YOU CAN'T SPIN US.

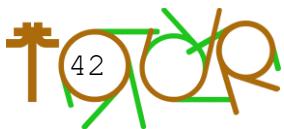
STUDENTs

WHAT DO YOU HAVE IN
CORE FOR US?

(QUARK herds STUDENTs together.)

QUARK

MOVE TO STATE FORMATION, MIXED VALENCE WITHIN
FEMTOSECONDS, HEAR



ATOM

YOU CAN'T SPIN US.
YOU CAN'T SPIN US.
YOU CAN'T SPIN US.
YOU CAN'T SPIN US.

STUDENTs

WHAT DO YOU HAVE IN
ACCORDANCE?

QUARK

THAT, YOU QUASI-BORONS? AN EXAMINATION FILLED

ATOM

YOU CAN'T SPIN US.
YOU CAN'T SPIN US.
YOU CAN'T SPIN US.
YOU CAN'T SPIN US.

STUDENTs

WHAT DO YOU HAVE THAT
SHOCK OUR CORE?

QUARK

WITH HOLES IN SCANTRONS.

ATOM

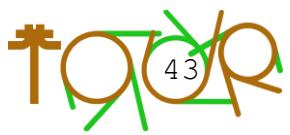
YOU CAN'T SPIN US.
YOU CAN'T SPIN US.
IN THEORY THOUGH,
PLEASE SHARE WITH US.

STUDENTs

WHAT DO YOU EXPECT
FROM NUCLEI?

QUARK

THINK OF INSIDE, OUTSIDE YOUR MATTERS, YOU'LL FIGURE
OUT YOUR CHARGE AND YOUR CONFIGURATION. THERE'S
SOMETHING TO BEING NOBLE, GUESS.

**ATOM**

PLEASE SHARE WITH US.
PLEASE SHARE WITH US.
PLEASE SHARE WITH US.
PLEASE SHARE WITH US.

STUDENTS

WILL THIS MOMENTUM BE.
CURVED?
FAILURE?

QUARK

I'LL STOP WITH SURVEILLANCE WHEN THIS BASIC UNIT JUST
QUITTING TAKING ENERGY!

(QUARK grabs ahold of ATOM.)

ATOM

PLEASE SHARE WITH US.
PLEASE SHARE WITH US.
PLEASE SHARE WITH US.
I SERVE VALENCE.

STUDENTS

WILL THIS MOMENTUM BE
CURVED?
VALENCE?

(ATOM snatches the paperwork from QUARK.)

ENERGIES FOR
THE VALENCE!

CONTRIBUTION.
CONTRIBUTION.

(ATOM passes around the cheat sheets.)

IF YOU
ARE HIGHER
LEVEL
THOUGH FAILURE,
THEY CAN TOO!

CONTRIBUTION.
CONTRIBUTION.
CONTRIBUTION.
CONTRIBUTION.
CONTRIBUTION.
CONTRIBUTION.

(ЛЕПТОНИЯ holds back QUARK.)

ЛЕПТОНИЯ

THEY'LL GET ELECTRONS.



(*STUDENTS pass around scantrons.*)

STUDENTS

DISTRIBUTION OF THE SCANTRONS.

ЛЕПТОНИА

THEY'LL GROUP THE EL-MENTS.

(*STUDENTS group together.*)

STUDENTS

NODES, ORBITALS.

NEUTRAL CIRCLES.

NODES, ORBITALS.

NEUTRAL CIRCLES.

ЛЕПТОНИА

THEY'LL CONFIGURATE.

(*STUDENTS form circles.*)

STUDENTS

NODES, ORBITALS.

NEUTRAL CIRCLES.

NODES, ORBITALS.

NEUTRAL CIRCLES.

ЛЕПТОНИА

THEY'LL COME OUT THEIR SHELLS.

(*STUDENTS move from one circle to another.*)

STUDENTS

NODES, ORBITALS.

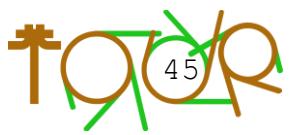
NEUTRAL CIRCLES.

NODES, ORBITALS.

NEUTRAL CIRCLES.

ЛЕПТОНИА

THEY'LL FIND OUT THEIR VALENCE.



(*STUDENTS orbit either ЛЕПТОНИА and QUARK, and/or ATOM.*)

STUDENTS

NODES, ORBITALS.
NODES, ORBITALS.

NEUTRAL CIRCLES.
NEUTRAL CIRCLES.

ЛЕПТОНИА

QUARK,
ASSISTANT,
YOU'LL NOT
FAIL.
QUARK,
ASSURANCE,
YOU NEED
NO VAL-

STUDENTS

MOTIVATION.
MAKE ASSUMPTIONS.
NATURAL EQUATIONS.
DIRECT NOTATIONS.
GENERATIONS.
INFORMATION.
OBSERVATION.
SHELLED ELECTRONS!

(*QUARK openly dismisses ЛЕПТОНИА.*)

(*ЛЕПТОНИА motions STUDENTS to turn in their papers to QUARK.*)

ЛЕПТОНИА

DON'T TAKE IT.

STUDENTS

VALENCE ELECTRONS.

VALIDATION.

(*Handing the papers to QUARK.*)

(*QUARK snubs STUDENTS.*)

VALENCE ELECTRONS.

VALIDATION.



ЛЕПТОНИА

WRONG ENERGY LEVEL.

(Gathering all the papers from STUDENTS.)

STUDENTS

VALENCE ELECTRONS.
VALENCE ELECTRONS.

VALIDATION.
VALIDATION.

ЛЕПТОНИА

VALIDITY.

STUDENTS

VALENCE ELECTRONS.

VALIDATION.

ЛЕПТОНИА

THERE'S

STUDENTS

VALENCE ELECTRONS.

VALIDATION.

ЛЕПТОНИА

NO NEED SEARCHING

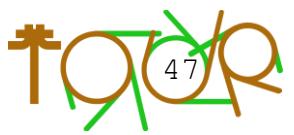
STUDENTS

VALENCE ELECTRONS.
VALENCE ELECTRONS.

VALIDATION.
VALIDATION.

ЛЕПТОНИА

VALIDITY.



STUDENTs

VALENCE ELECTRONS.

VALIDATION.

ЛЕПТОНИА

THE HEART

STUDENTs

VALENCE ELECTRONS.

VALIDATION.

ЛЕПТОНИА

OF PHYSICS

STUDENTs

VALENCE ELECTRONS.

VALIDATION.

ЛЕПТОНИА

PUMPS

STUDENTs

VALENCE ELECTRONS.

VALIDATION.

ЛЕПТОНИА

VALIDITY.

STUDENTs

VALENCE ELECTRONS.

VALIDATION.

ЛЕПТОНИА

NEED

STUDENTs

VALENCE ELECTRONS.

VALIDATION.

ЛЕПТОНИА

NO VALIDATION.

(Dumping the paperwork into QUARK's arms.)

STUDENTs

VALENCE ELECTRONS.

VALIDATION.

VALENCE ELECTRONS.

VALIDATION.

JUMP !

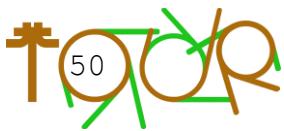
BUMP !

(ЛЕПТОНИА departs.)

(STUDENTs orbit away.)

11. EFFUSION (work-in-progress)

*{The musical number, "Effusion," is where
QUARK briefly blows off steam as a post-doc.}*



12. SUPER COLLIDE

SCENE vi

[Desertron]

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

ЛЕПТОНИА

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 NAT-RAL PHYSICS HAS BEEN TRAINED TO GET YOU COFFEE.

(ЛЕПТОНИА wanders off.)

END UP WITH DESERTS.

(Noticing ЛЕПТОНИА's disappearance.)

NOT THE COURSE TO DESERT THIS DOCT-RATE!

(Motioning to herself.)

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

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

ЛЕПТОНИЯ

HYPOT-SIS THAT THIS
HEARTLAND OF
INNOVATION BRINGS FREE
ENERGY. WHERE NOT JUST
MATTER 'XISTS, 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, POS-TIVE NEG-TIVE,
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.



[*Particles move along and around.*]

QUARK

STRANGE.
FERM-ONS.
MUONS.
'TRINOS.
GLUONS.
CHARM.

QUARK

QUANTA.

ENGINEERS

RAY'S !

QUARK

(*Feeling matters.*)

'NERGY BUNDLES.

QUARK

STANDARD

ENGINEERS

FORCE !

QUARK

MODEL.

(*Growing antsy.*)

THEORIZED

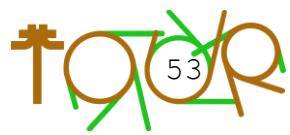
QUARK

'NOUGH.

ENGINEERS

NOWT .

(*QUARK deactivates the control.*)



(ENGINEERS collide with one another.)

ENGINEERs

QUARK! JUST GOT YOURSELF ROLLING!
SPIN PART-CLES AT HOME. GET PART-CLES IN TUBE.
PASS BY NICE PROTONS. SAY HI TO 'LECTRONS.
STEER MAGNETIC FIELDS. FEEL THE ENERGY.
REACH THE SPEED OF LIGHT. LIGHTEN UP, WILL YA?

ЛЕПТОНИА

COL-

(ENGINEERS collide and gather.)

ENGINEERs

LIDE!
SCIENTISTS, BUILDERS, PLAYERS, FRIENDS, AND
FAM-LY ALL
GATHER HERE THERE AROUND HUMAN'S GREATEST
FEAT
UNDER. EVER.

ЛЕПТОНИА

BUILD
THE MACHINE THAT PURSUES ALL OF OUR DAYDREAMS.
FULFILL UNSEEN WONDERS WITH PROTON BEAMS.
DARK FIELD.

(Interacting and colliding.)

ENGINEERs

LUX-RY SCIENCE IN A DESERT!

(Interacting and colliding.)

(QUARK rein in the particles.)



54

ЛЕПТОНИЯ

AT DESERTRON.

ENGINEERSENERGY, CAN YOU FEEL
IT, GAIN THE MAGNET!**QUARK**

SUPERNAT-RAL.

REACH THE SPEED OF

ЛЕПТОНИЯ

CONDUCT YOURSELF.

LIGHT!

QUARK

SUPERVISION.

ANTI-QUARK MATTERS

ЛЕПТОНИЯ

COLLIDE OTHERS.

SUPER COL-

(Setting QUARK on a collision course.)

LIDE!

HER WAY OUT BARYONS! SUPER COLLIDE BEYOND!

SUPERCONDUCTIVITY MEDIUM

MODELLED!

SMASH THE PART-CLES TOGETHER FOR ENTIRE WORLD

RECORD AROUND FORTY TERA 'LECTRON

VOLTS!

(Gathering around the control.)

GOD PARTICLE BURIED RIGHT UNDER THE DESERTRON.

*(Expanding.)*QUADRUPOLE LIGHTEN UP THE MOMENT. SUPER
COLLIDER!

12a. SUPER COLLIDE (reprise)

(ENGINEERS exit.)

ЛЕПТОНИЯ

QUARK.

SUPER

CONDUCT YOURSELF, CANDIDATE.

JOB

INTERVIEW, I'VE GOT TO GO. IT'S MY COLLISION COURSE.

(Departing.)

13. SLEPTON

(QUARK redirects her attention to the control.)

(ATOM enters, protesting.)

ATOM

SCIENCE ENDING.

THEY'RE SHUTTING THE DESERTRON DOWN!

QUARK

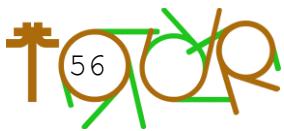
QUIT LYING.

WHAT'S THE MATTER?

ATOM

INFER, ATOM.

I FIGURED EVERYTHING MATTERS!



QUARK

ATOM SHOULD STOP MAKING THINGS UP.
WHEN THINGS SEEM TOO GOOD TO BE TRUE.
JUST SLEEP ON IT, REST.
WAKE UP, FIND MATTERS BEYOND DREAMS !

BOSON

SLEPTON.
SPECTRAL.

(QUARK feels the nightmares.)

(BOSON brightly returns.)

(ATOM seems pleasantly surprised at BOSON.)

NON-PHYSICIST HAS DRAWN
HERSELF TO DESERTRON.

(Addressing ATOM.)

BY THE WAY, I'M BOSON.
ACCELERATOR, I RUN.

(Viewing the control.)

THERE'S TIME THAT YET NEEDS CRUNCH.

(QUARK guards the control.)

THIS HERE'S PARTICLE'S DAWN.
DUSK WILL APPROACH WITH FUNDS.

(ATOM hands cash to BOSON.)

STILL HAVE ALL THE SPUN, SQUARK.

(*QUARK attempts to get ATOM to retrieve his cash. She reaches for the cash herself.*)

(*BOSON tosses the cash into the open.*)

SCENE vii

[*Debate Chamber*]

(*POLITICIANS rabidly bound for the cash. They notice QUARK, BOSON, and ATOM. They quickly adjust themselves.*)

POLITICIANS

SCIENCE NEEDS FUNDING?
SCIENCE NEEDS FUNDING!

BOSON

DESERTRON COSTS A SLEPTON.

(*Kicking the cash to POLITICIANS.*)

POLITICIANS

SLEPTON?

(*Picking up the cash.*)

BOSON

DESERT...

(*Directing out.*)

BOSON

POLITICIANS

LOST ITS RUN.

WE WILL SLEEP ON THIS!

BOSON

TO SPUN ON NO AXIS.
NICE RUN, MARATHON, LASTED.
YOU'RE DONE, ALL THAT MATTERS.
REAL FUN, IT WAS.

POLITICIANS

A SLEPTON!

BOSON

NO ACTIONS REQUIRED.
PASSION, BIT QUANTUM, FULFILLED.
OUR TAXES, DO BLOW IT.
THEIR FUNDS, GO SLOW.

POLITICIANS

A SLEPTON!

(Counting the cash.)

THESE PARTICLES.
THEY'RE PARTLY CHORES.
DON'T MAKE WARS AS ATOMIC.
I NEED GAS AS AN ADDICT.
THERE'S NEW SCIENCE TO ENRICH.
I'M PRINCIPLED.
THEREFORE, NO MORE POEMS.
THESE KNOWLEDGE YOU SHOULD DITCH.
I WILL OUTCLASS, NOWT TO COMMIT.
ART, ALSO MAKES THE WORLD

QUARK

THERE'LL BE PEACE.
RENEW-BLES.
SOME POETRY.
THERE IS ART
IN PARTICLES!

POLITICIANS

SICK!

BOSON

ALREADY HAVE IT ALL AT THE ACCELERATOR.



QUARK

MORE.

(*Directing out.*)

POLICITICIANS

OPEN...

BOSON

DESERTRON'S CONDUCT SHOULD HAVE LEFT YOU SUPER FLOORED.

QUARK

EXPLORED PARTICLES!

POLITICIANS

DOORS.

BOSON

FOR YOU, THERE'LL BE NOTHING IN STORES.

ONLY TO LEAVE YOU IN THE DARK, ENLIGHTEN YOUR ACCORD.

QUARK

THEY'LL SEE DEATH.
RECRUITING.
IT'S SO LOW.
I AM QUARK
IN PART CAUSE!

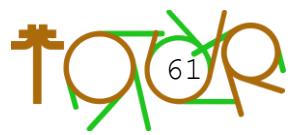
POLITICIANS

ATOMIC MATTERS!

(*ATOM stirs.*)

BOSON

I'M BOSON, I LIGHT UP THE PHYSICS WORLD!



POLITICIANS

ATOM...

BOSON

(Addressing ATOM.)

LISTEN HERE SON,
THERE IS NOTHING TO GLUON.

POLITICIANS

SPLIT.

BOSON

HEART TO HEART, NUCLEI NUCLEI. YOU'LL FEEL RENEWED.

(ATOM rhythmically claps.)

POLITICIANS

(Rhythmically slapping cash against their hands.)

YOUR PARTING CALL.
A MATTER SOUGHT.
THE WORLD WILL REMEMBER IT.
TO RID OF THOSE WHO ARE SICK.
POSITIVES FINALLY FIT.
GIVE UP, 'CEL-RA-TOR.

(ATOM riles up.)

PART-CLES FOR ALL.
TO EXPLODE IS YOUR PICK.
CLIMATE IMPLODES, IS ALL OPTICS.
CASH, REALLY MADE THE TIMES



QUARK

ATOMIC.
CREATION.
BIRTHS NEW LIFE.
DON'T SELL OUT TO
DESTRUCTION!

POLITICIANS

TICKED!

BOSON

YOU HAVE THE POTENTIAL, JUST NEED A LITTLE FORCE.

(Presenting nominal cash.)

QUARK

DROP...

POLITICIANS

FUNCTION...

QUARK

KINETIC.

(Removing the cash from BOSON.)

BOSON

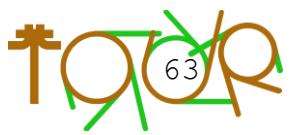
TAKE A POSITION, THIS IS YOUR MOMENTUM.

POLITICIANS

RAN.

QUARK

ALL LAGRANGIAN.



BOSON

LET THE ENERGIES BE HAMILTONIAN.

POLITICIANS

SUM.

(Raining down the entire cash on ATOM.)

ATOM

NUCLEAR NOW!

(Tearing apart the control.)

(QUARK helplessly watches.)

BOSON

THE BOMB, YOU REALLY ARE.
NO FLAWS, IT IS IN NUCLEAR.
IN AWE OF REVENUE.
THE PALM OF YOURS.

POLITICIANS

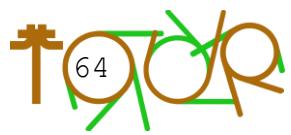
SLAP ON IT!

BOSON

THESE FEES KEEP PILING ON.
LIFE TEEMS CONCLUSIVE RESULTS.
YOUR DREAMS ARE ATOMIC.

(Pinching his thumb and index finger.)

'NERGIES, RUN FREE.



POLITICIANS

SLEEP IT OFF!

(*QUARK weeps.*)

(*BOSON, ATOM, and POLITICIANS huddle around
in the nuclear winter.*)

13a. SLEPTON (reprise)

(ATOM and POLITCIANS depart.)

BOSON

A SHAME YOU CAN'T MEET.
HER GAME, PARTICLES, NEW HIRE.

(QUARK recognizes the persona of ЛЕПТОНИА.)

(BOSON reminisces.)

GOURMETS, DESERTRON.

(Pushing away QUARK.)

NOW STRAY, SLEPT ON.

(Vacating.)

(QUARK reclusively perches.)

14. BACKSCATTER

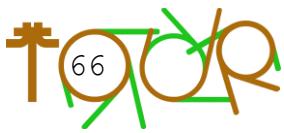
(ЛЕПТОНИА eagerly skips in.)

ЛЕПТОНИА

I'M BACK WITH A TORSION. IT'LL SHATTER
EXPECTATIONS. I'M POSITIONED
VECTOR OF THE ACCELERATOR!

(QUARK remains silent.)

I SUPERVISE PARTICLES!



QUARK

SHUT UP WITH YOUR PARTICLES.
I DO NOT KNOW THESE BACK-
STABBING MATTERS I DON'T BELIEVE
IN ANY OF YOUR WORK.

QUARK

BACKSCATTER!

ЛЕПТОНИЯ

SO UPFRONT.

(ЛЕПТОНИЯ looks around the void.)

YOU'RE TRULY NOT ENVIOUS FOR ME TO BE MAKING WAVES.
DON'T MAKE OUR COUPLED ACADEMIC BOND INELASTIC.
THERE'RE PLENTY OF PHOTONS ALIGHNED BEYOND THIS
GEGENSCHEIN.

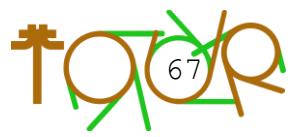
(QUARK slightly shudders.)

WHY NOT REFLECT WITH ME, COMRADE?
WORLD MAY LACK THE IONS OF FUTURE.
LET'S FORWARD SPECULAR FAR PASSED.
NO MORE FOR ME. FOR ONCE, WORK WITH ME.
IT'S PRESENT, ACCELERATOR.
I'M AWARE PARTICLES ARE NOT THE RIGHT FIT PHYSIC-LY.
BUT I REMEMBER HOW MAGNETS ALWAYS GAVE YOU MOMENTS.
EXCITATIONS CIRCUITS AS MAGNETIC FLOWS ALL CORNERS.
TAKE THE ACCELERATED TOUR!

(Holding QUARK's hands.)

(QUARK pushes away ЛЕПТОНИЯ.)

MY LOVE FOR PART-CLES MADE YOU REPELLED.
FIND HOME IN SOME MAGNET FACT-RY.
AS ADVISOR, I SHALL BACKSCATTER.
SEND MY SIGNALS, TO BE FREE.



QUARK

A WEAK LOCALIZATION.
FIBER WENT BAD OPTICS.
LEAVE ME MORE LESS ISOTROPIC
IN RANDOM DIRECTIONS.

QUARK

BACKSCATTER!

ЛЕПТОНИЯ

GOT YOUR BACK.

(ЛЕПТОНИЯ leaves.)

QUARK

HEART SHATTERED.

15. ELECTROFORMING

SCENE viii

[Magnet Factory]

(ATOM and ENGINEERS march in. They set up a factory. They supply metals.)

ENGINEERS

CONFORM.

(ATOM hands a form to QUARK.)

FILL THIS FORM.

(QUARK signs the form.)

COME WITH US. WORK WITH US.

(QUARK hands back the form.)

YOU'RE WELCOME. JUST HARD WORK.

(QUARK joins in with ENGINEERS.)

HEART ON FIRE. MIND ON ICE. CONFORM. CONFORM.

(Sitting at their workstation.)

CONFORM. CONFORM.

(ATOM sits down. He starts testing magnets with the metals.)

ENGINEERS (cont.)

CONFORM. CONFORM.

(Seating QUARK next to ATOM.)

CONFORM. CONFORM.

QUARK

YOU HEAR ME? IS IT CLEAR? TOGETHER. NOW'S HELPFUL.

(Trying to hold back the internal cubicle she is trapped in.)

IN THE MOOD. TO FIGHT YOU...

ATOM

STAY PATIENT. THAT'S YOUR ROLE.

[The metals combust.]

(A supervising ENGINEER steps in.)

MANAGER. I'M SORRY. FORGIVE ME. FORGET ME. SAVE YOUR LIFE. SAVE YOUR LIFE.

QUARK

FIGHT FIGHT FIGHT. FIGHT FIGHT FIGHT.

(Feeling defeat. She places her head on the workstation.)



ENGINEERS

DEFORM.

(ATOM and ENGINEERS depart with all but QUARK's workstation.)

16. PREON

(QUARK's head remains face down on the workstation.)

(ЛЕПТОНИЯ tiptoes in.)

ЛЕПТОНИЯ

YOU HAVE REACHED THE MASS POINT.
PRINC-PLE OF UNCERTAIN-TY.
COLLECT YOUR PAR-DOX.
SCATTER YOUR PLOTS.

(Organizing QUARK's space.)

КАНДИДАТ НАУК (kandidat nauk)?
WHAT'S IT THAT YOU FEAR? OH.

(Rolling QUARK over. She notices the magnets.)

THESE ATTRACTING MAGNETS
REPEL YOUR SPIRIT,
WERE IN PARTICLES.
I WILL PRAY ON.

(QUARK riles herself up.)

QUARK

MY MODEL HAS ITS STANDARDS. I'LL NOT CONFLATE
POINTLIKE PART-CLES LIKE THESE DIPOLES IN
MAGNET-ZATION. MY EL-MENTARY MINDSET KNOWS PSEUDO
PHYSICS. I'M PART FRAUD. THIS IS THE END, THIS

QUARK (cont.)

EXPERIMENT. MY BEING CANNOT TAKE THIS. DON'T HAVE THE PHYSICS. MY BRAIN WAVES TRANSVERSED.

(ЛЕПТОНИА looks through the workstation.)

DYING BY POLAR-ZATION. MY 'XISTENCE ONLY REPELS.

(ЛЕПТОНИА pulls out a lightbulb and wires.)

I REALLY DON'T KNOW HOW YOU FIND POINTLESS MATTERS SO SENTIMENTAL.

(ЛЕПТОНИА performs the experiment.)

ЛЕПТОНИА

I'M MENTAL, SPEAKING YOUR LANGUAGE. JUST TRYING OUR CLASSIC PROJECTS. POINT PARTICLE'S HYPOT-SIS. POINT OF YOUR LIFE'S TO THEORIZE, PERHAPS PREON? JUST HAVE A BELIEF. POSITRON TO 'LECTRON, DON'T BE ANTIMATTER ON ME NOW. JUST LIGHTEN UP, BE BRIGHTER COMRADE.

QUARK

TRY TO 'NIT-ATE CONDUCTION.
MY TEMPER-MENT'S TO BE SHUNNED.
PASSION'S NOT FOR SIMPLETONS.

ЛЕПТОНИА

PREON.

(QUARK takes over the experiment.)



QUARK

STELLAR USAGE OF PREON.
BUT THERE'S NO FAITH IN PREON.
NOT A MATTER THAT'S PREON.

(Finishing the experiment.)

ИДИ ТЫ В БАНЮ (idi v'banyu) !

ЛЕПТОНИА

IT'S YOU WHO NEEDS TO GET LOST.
LET ME LIVE IN PAR-DOX.
PUPIL, GO ON. QUIT...

(QUARK slides the magnets towards the light bulb.)

[The light bulb lights up.]

BEING A ХУЙ (hooy). QUARK,
P
H
D.

QUARK

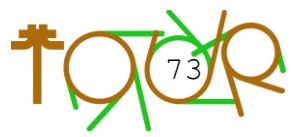
PRAISE BE.

ЛЕПТОНИА

PREON.

[The Magnet Factory brightens up.]

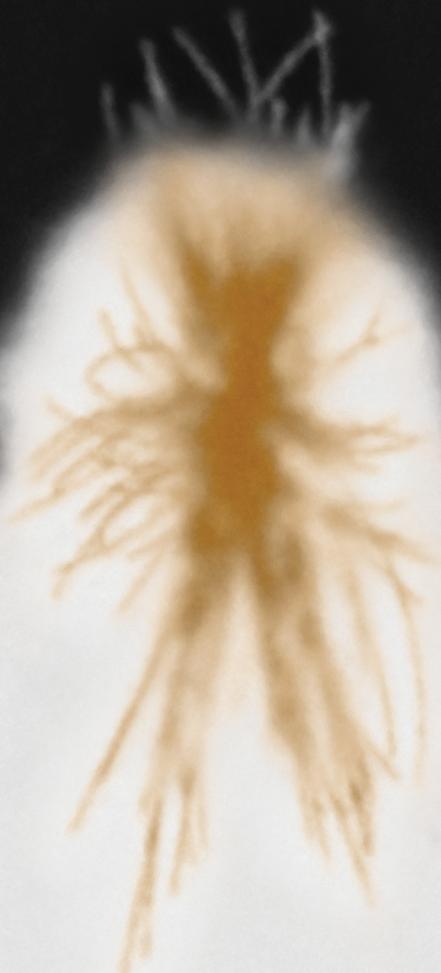
(QUARK and ЛЕПТОНИА intimately hold their gazes.)



(*QUARK distances the magnets away from the light bulb.*)

[*Blackout.*]

End of Act



ACT III

17. BRING THE CONDUCTIVITY

SCENE i

[Accelerator]

[A barrier hides the Accelerator. There are chairs.]

(TECHNICIANS dress themselves in collegiate attire.)

(ЛЕПТОНИА, BOSON, and TECHNICIANS wander or sit. Some TECHNICIANS shake hands. Some TECHNICIANS carry refreshments.)

[Fog disperses from a lower section. There is a boom.]

(ЛЕПТОНИА and BOSON remain unstartled.)

(Sitting TECHNICIANS and some upright TECHNICIANS applaud.)

(The rest of TECHNICIANS tremble.)

(ЛЕПТОНИА, BOSON, and TECHNICIANS sit.)

(QUARK strolls backwards in. She pulls a chalkboard. She turns only her head towards the fog, keeping her grip on the chalkboard.)

[The fog disperses, revealing a chalkboard eraser.]

(ЛЕПТОНИА heads to pick up the chalkboard eraser.)

(QUARK drops her grip. She turns, revealing her torso. She feels embarrassed. She grabs the chalkboard eraser out of ЛЕПТОНИА's hand. She places her free hand on the helmet on her chest, with a lanyard holding her helmet. She bows to ЛЕПТОНИА.)

(ЛЕПТОНИА places her hand on her helmet and bows.)

(QUARK erases the chalkboard and writes, "PIECE".)

ЛЕПТОНИА

(Simultaneously extending her right arm.)

PEACE...

(QUARK writes, "of a magnetic quadruple.")

(Simultaneously extending her left arm.)

WITHIN HER HEART CHAMBERS...

(QUARK draws an "X" within the center of the lower right-half of the chalkboard. She writes, "is here".)

ЛЕПТОНИЯ (cont.)

IS NOT QUITE THERE.

(*QUARK draws a circle that touches the "X". The circle encompasses the whole chalkboard. The circle's center is directly in the middle of the chalkboard.*)

(*TECHNICIANS stand up.*)

SO, LET'S SETTLE FOR THE REST OF THE MIND.

(*BOSON stands up.*)

BOSON

THIS CANNOT STAND.

(*Promptly sitting down.*)

ЛЕПТОНИЯ

(*Placing her hand to her chest.*)

YOU STRUCK A CHORD IN MY HEART.

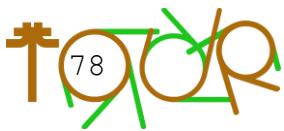
(*Clearing her throat and extending her arm.*)

ИЗВИНИТЕ (izvinite), A CORE IN THE UNIVERSE.

(*TECHNICIANS applaud.*)

(*Some TECHNICIANS raise QUARK high up on their shoulders.*)

(*BOSON bolts out.*)



(Some TECHNICIANS remove chairs and return.)

QUARK

HEY BUILDERS. I MUST-A SAY... THERE'S TIME FOR LOLLYGAGGING. THERE'S SPACE JUST TO REST EASY.

(ЛЕПТОНИА attempts to direct TECHNICIANS to set QUARK down.)

HEY BUILDERS. SHE DOES DECLARE. I MAY BE FUN AND SHE'S NOT. BUT SHE'S STILL YOUR GUARDIAN.

TECHNICIANS

CONGRATULATION-ION-IONS! TO THE NEW TECHNICIAN-IAN!

ЛЕПТОНИА

ALL. ПРИВЕТ (privet)! PARDON ME. SHE DIDN'T FINISH THIS LADDER.

(TECHNICIANS let QUARK down. They leave to uniform like engineers. They stand at attention behind the barrier.)

HEY QUARK E. I MUST REMIND... THAT LADDER'S AN ILLUSION. WE COMRADES JUST SAW YOU SOAR.

QUARK

(Consoling herself.)

YOU. MATTER. ACT NORMAL. THERE ARE CLOUDS TO LAND BELOW. BUT NO ROOM TO BREATHE ABOVE.

(*BOSON enters with an ID.*)

BOSON

DON'T GIVE UP. I WILL JUST SAY, EXCHANGE PARTICLE.

(*Pinning the ID onto QUARK.*)

WELCOME TO THE CONTOUR.

(*Heading behind the barrier.*)

(*QUARK feels stiff by the ending remark.*)

HEY. CAREFUL. I MUST-A STATE... LET'S BE MODEST ON ENTRY.

ЛЕПТОНИА

REVEAL TO US WHAT WE GOT!

[*The barrier opens to reveal the beauty of the Accelerator.*]

QUARK

I MUST SAY...

COMPANY

BRING THE CONDUCTIVITY!

QUARK

NO WORDS. I AM LEFT SPEECHLESS.

(*Putting on the helmet.*)

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