

# 3. EXCHANGE PARTICLE

TOUR

DAVID QUANG PHAM

Andante

QUARK

Tambourine

Guitar

Bass

D#m A#7 D#m B A#7 B G#m D#m

This musical system consists of four staves. The top staff is for the QUARK vocal line, which is currently silent. The second staff is for the Tambourine, showing a rhythmic pattern of eighth notes with rests. The third staff is for the Guitar, featuring a series of chords: D#m, A#7, D#m, B, A#7, B, G#m, and D#m. The bottom staff is for the Bass, showing a simple eighth-note bass line.

5

QUARK

Tambourine

Guitar

Bass

D#m A#7 D#m B A#7 B

End-ed up in u - ni - vers - ty? E - sta - blish. Meant may I join a tour - ing cir -

This musical system continues from the first. The QUARK staff now contains the vocal line starting at measure 5: "End-ed up in u - ni - vers - ty? E - sta - blish. Meant may I join a tour - ing cir -". The Tambourine, Guitar, and Bass parts continue with their respective patterns and chords (D#m, A#7, D#m, B, A#7, B).

8 G#m D#m E G#m

QUARK    
 cuit? E - lec - tric. The labs, do they be-hold and fore-see? Es-caped i - ons.

Tambourine 

Guitar    
G#m D#m E G#m

Bass 

11 D#m F# A#7 D#m B

QUARK    
 What am I, part of? Cour - ses full? \_\_\_\_\_ Ex-change. It's not who I am. The real

Vibraphone    
D#m B   
*pp*

Tambourine 

Guitar    
D#m F# A#7 D#m B

Bass 

15 A<sup>#</sup>7 D<sup>#</sup>m G<sup>#</sup>m

QUARK me. Not best in sci ence. I forced my- self. Give my all to phy-sics. \_\_\_\_\_

Vibraphone A<sup>#</sup>7 D<sup>#</sup>m G<sup>#</sup>m

Tambourine

Guitar A<sup>#</sup>7 D<sup>#</sup>m G<sup>#</sup>m

Bass

20 D<sup>#</sup>m B A<sup>#</sup>7

QUARK — My part-ing goals.

ATOM Down. Up. Bot- tom. Top. Charm. Strange. Quark.

Vibraphone D<sup>#</sup>m B A<sup>#</sup>7

Tambourine

Guitar D<sup>#</sup>m B A<sup>#</sup>7

Bass

25 D#m A#7 D#m B A#7 B 5

QUARK

Did I get in...? The lec-ture taught un-der Bo - son! Pu-pil un-der child pro-di -

Tambourine

Guitar

Bass

28 G#m D#m E G#m

QUARK gy! He who makes light of all ex-per - iments. En-light - ened. Not so long 'go

Tambourine

Guitar G#m D#m E G#m

Bass

31 D<sup>♯</sup>m F<sup>♯</sup> A<sup>♯</sup>7 D<sup>♯</sup>m E<sup>♯</sup>° D<sup>♯</sup>m G<sup>♯</sup>m B A<sup>♯</sup> A<sup>♯</sup>7

QUARK  that a-toms were blow-ing my mind...

Tambourine 

Guitar 


Bass 

37 D<sup>♯</sup>m E<sup>♯</sup>° D<sup>♯</sup>m G<sup>♯</sup>m B A<sup>♯</sup> A<sup>♯</sup>7 D<sup>♯</sup>m F<sup>♯</sup> C<sup>♯</sup>7 F<sup>♯</sup> A<sup>♯</sup>7 B

QUARK  Part of you yanked me with this

Tambourine 

Guitar 

Bass 

44 A<sup>#</sup>7 D<sup>#</sup>m A<sup>#</sup>7 G<sup>#</sup>m D<sup>#</sup>m

QUARK ex. Chang - ing, de - gree's so cold. This field's heat - ed. Cut -

Tambourine

Guitar

Bass

50 A<sup>#</sup>7 D<sup>#</sup>m A<sup>#</sup>7

QUARK throat. A - ca. Damn me. Up. Bot - tom. Top. Down. Strange. Charm. Stand -

Tambourine

Guitar

Bass

56 G#m D#m A#7 D#m

QUARK

ard, mo - delled stu - dent. A - ca - de - mi - a.

Tambourine

Guitar

Bass

63 A#7 G#m D#m A#7 D#m E#° Adagio

QUARK

Tambourine

Guitar

Bass



71

QUARK

Vibraphone

Tambourine

Guitar

Bass

D#m

E#°

A#

f

77 D<sup>♯</sup>m A<sup>♯</sup>7 D<sup>♯</sup>m

QUARK

Stat-ics con-serve just well - con - nect - - ed theo-re-ti-cal phy-si-cists.

Vibraphone

D<sup>♯</sup>m A<sup>♯</sup>7 D<sup>♯</sup>m

Tambourine

Guitar

D<sup>♯</sup>m A<sup>♯</sup>7 D<sup>♯</sup>m

Bass

Detailed description: This is a musical score for measures 77-79. The score is written for five instruments: QUARK (vocals), Vibraphone, Tambourine, Guitar, and Bass. The key signature has two sharps (F# and C#). The tempo is 77. The chords are D#m, A#7, and D#m. The lyrics are 'Stat-ics con-serve just well - con - nect - - ed theo-re-ti-cal phy-si-cists.' The QUARK part has a melody with eighth and sixteenth notes. The Vibraphone part has a simple harmonic accompaniment. The Tambourine part has a steady eighth-note rhythm. The Guitar part has a harmonic accompaniment with chords. The Bass part has a simple harmonic accompaniment.

80

E#°

QUARK

E#°

Vibraphone

Tambourine

E#°

Guitar

Bass

83

QUARK

But dy - na - mics, torque angl - ing un - con - nect - ed me to best

Vibraphone

Tambourine

Guitar

Bass

D<sup>♯</sup>m

E<sup>♯</sup>°

D<sup>♯</sup>m

E<sup>♯</sup>°

86

QUARK

all phy-si-cists! Gain, lose, e-lect on be-ing ex-per-i - men - tal!\_\_\_\_\_

A#

tr

D#m

Vibraphone

A#

D#m

Tambourine

A#

D#m

Guitar

Bass

90 A<sup>#</sup>7 D<sup>#</sup>m Accelerando A<sup>#</sup>7 D<sup>#</sup>m Andante A<sup>#</sup>7 D<sup>#</sup>m B

QUARK  May not get to know, but it'll flow, ex-plan-at-ions.

Vibraphone 

Tambourine 

Guitar 

Bass 

95 A<sup>#</sup>7 B G<sup>#</sup>m D<sup>#</sup>m E

QUARK Can't wait for Bo- son. What's in core? How's his work- load? I - deas come so far. Mat- ters,

A<sup>#</sup>7 B G<sup>#</sup>m D<sup>#</sup>m E/B

Vibraphone

Tambourine

A<sup>#</sup>7 B G<sup>#</sup>m D<sup>#</sup>m E

Guitar

Bass

98

QUARK

they will come to me. Part-i-cle board, thanks for this ex - - change.

Vibraphone

Tambourine

Guitar

Bass

Chords: G#m, D#m, F#, A#7, D#m

Detailed description of the musical score: The score is for a 4-measure phrase starting at measure 98. The QUARK part is in treble clef, with lyrics under the notes. The Vibraphone part is in treble clef, playing a sequence of chords: G#m, D#m, F#, A#7, D#m. The Tambourine part is in treble clef, with a simple rhythmic pattern of eighth notes. The Guitar part is in treble clef, with chord diagrams for G#m, D#m, F#, A#7, and D#m. The Bass part is in bass clef, playing a simple harmonic accompaniment.