

# 12 VALENCE

## TOUR

DAVID QUANG PHAM

Moderato

Bm G A E Bm G Em<sup>7</sup> A D

QUARK

ЛЕПТОН

STUDENTS

It's\_ high - er\_\_ e - ner - gy\_\_ le - vel\_\_ It's\_ high - er\_\_ e - ner - gy\_\_ le - vel\_\_

This\_ high - er\_\_ ed - u - cat - ion\_\_ haul. This\_ high - er\_\_ ed - u - cat - ion\_\_ haul.

Vibraphone

Bm G A E Bm G Em<sup>7</sup> A D

Guitar

Bm G A E Bm G Em<sup>7</sup> A D

5

QUARK

Bm G A<sup>5</sup> E Bm G Em<sup>7</sup> A D

Os - cil - lat - ions doc! Alt - nat - ing cur - rents?

JEHTOH

STUDENTS

It's\_ high - er\_ e - ner - gy\_\_ le - vel\_\_ It's\_ high - er\_\_ e - ner - gy\_\_ le - vel\_\_

This\_ high - er\_\_ ed u - cat - ion\_\_ haul. This\_ high - er\_\_ ed - u - cat - ion\_\_ haul.

Vibraphone

Bm G A<sup>5</sup> E Bm G Em<sup>7</sup> A D

Guitar

Bm G A<sup>5</sup> E Bm G Em<sup>7</sup> A D

QUARK

9 G F#7 Bm Bm(add9) F#m7 Bm Bm(add9)

Spe - cial states to - day? An - y phe - no - me - na?

ЖЕНТОН

STUDENTS

It's\_ high - er\_\_ e - ner - gy\_\_ le vel\_\_ It's\_ high - er\_\_ e - ner - gy\_\_ le - vel\_\_

This\_ high - er\_ ed u - cat - ion\_\_ haul. This\_ high - er\_\_ ed - u - cat - ion\_\_ haul.

Vibraphone

G F#7 Bm Bm(add9) F#m7 Bm Bm(add9)

Guitar

G F#7 Bm Bm(add9) F#m7 Bm Bm(add9)

QUARK

13 Bm F#m G A Bm A<sup>6</sup> G A<sup>5</sup> Em

JENTOH

A - - larm in - fre - quen. See to in - te -

STUDENTS

This\_ e - miss - ion\_ leads\_ to\_ ground state. Who\_ is\_ this\_ ed - u - cat - ed\_ spoil?

That\_ ad - miss - ion\_ leaves ya\_ ground-ed.\_ What\_ a\_ low\_ e - ner - gy\_ le - vel.\_

Vibraphone

Bm F#m G A Bm A<sup>6</sup> G A<sup>5</sup> Em

Guitar

Bm F#m G A Bm A<sup>6</sup> G A<sup>5</sup> Em

17 D<sup>5</sup> F<sup>♯</sup>m D A Bm F<sup>♯</sup>m G A<sup>5</sup>/B Em/B

QUARK

JENTOH

grat - ion. D'rive on. Pos - tu - late.

STUDENTS

Who is this ed - u - cat - ed spoil? Who is this ed - u - cat - ed spoil?

What a low e - ner - gy le - vel. What a low e - ner - gy le - vel.

D<sup>5</sup> F<sup>♯</sup>m D A Bm F<sup>♯</sup>m G A<sup>5</sup>/B Em/B

Vibraphone

D<sup>5</sup> F<sup>♯</sup>m D A Bm F<sup>♯</sup>m G A<sup>5</sup>/B Em/B

Guitar

21 D<sup>5</sup> F<sup>#m</sup> D A Bm A<sup>6</sup> G A Bm

QUARK

Check va - li - di - ty.

JENTOH

A pos. Think sphere.

STUDENTS

Who\_ is\_\_ this\_ ed - u - cat - ed spoil? Jump\_ up\_\_ those\_ e - ner - gy\_\_ le - vels!\_

What\_ a low\_ e ner - gy\_\_ le - vel.\_ Bump\_ out\_\_ some\_ end - less\_ cre - den - tials!

Vibraphone

D<sup>5</sup> F<sup>#m</sup> D A Bm A<sup>6</sup> G A Bm

Guitar

D<sup>5</sup> F<sup>#m</sup> D A Bm A<sup>6</sup> G A Bm

25 Fm C# D# A# Fm C# A#m7 D# G# 7

QUARK

As - sume my mo - tive. First or - der not - ed.

ЖЕНТОН

STUDENTS

Mo - ti - vat - ion.. Make\_\_ as - sumpt - ions. Nat-u - ral\_\_ e - qua - tions. Di - rect\_\_ no - tat - ions.

STUDENTS

Mo - ti - vat - ion.. Make\_\_ as - sumpt - ions. Nat-u - ral\_\_ e - qua - tions. Di - rect\_\_ no - tat - ions.

Vibraphone

Fm C# D# A# Fm C# A#m7 D# G#

Guitar

Fm C# D# A# Fm C# A#m7 D# G#

29 C# C7 Fm Fm(add9) Cm7 Fm Fm(add9)

QUARK

Fresh scho-lars un- veiled. Sur- veil-lance. Serve va- lence.

JENTOH

STUDENTS

Ge- ner- at- ions. In- for- mat- ion. Ob- ser- vat- ion. Shelled e- lec- trons!

Ge- ner- at- ions. In- for- mat- ion. Ob- ser- vat- ion. Shelled e- lec- trons!

C# C7 Fm Fm(add9) Cm7 Fm Fm(add9)

Vibraphone

C# C7 Fm Fm(add9) Cm7 Fm Fm(add9)

Guitar



33 Gm F<sup>6</sup> D<sup>#</sup> F<sup>5</sup> Cm A<sup>#5</sup> Dm A<sup>#</sup> F

QUARK

JENTOH

Teach - - - ing as - sis - tant. These stu - - -

STUDENTS

We\_\_ have\_ an\_\_ im - por - tant\_ quest - ion.\_ We\_\_ have\_ an\_\_ im - por - tant\_ quest-ion.\_

We\_\_ have\_ an\_\_ im - por - tant\_ quest - ion.\_ We\_\_ have\_ an\_\_ im - por - tant\_ quest-ion.\_

Gm F<sup>6</sup> D<sup>#</sup> F<sup>5</sup> Cm A<sup>#5</sup> Dm A<sup>#</sup> F

Vibraphone

Gm F<sup>6</sup> D<sup>#</sup> F<sup>5</sup> Cm A<sup>#5</sup> Dm A<sup>#</sup> F

Guitar

37 Gm Dm D# F<sup>5</sup> Cm A<sup>#5</sup> Dm A# F

QUARK

JENTOH

dents suck e - ner - gy out of you.

STUDENTS

We have an im - por - tant quest - ion. We have an im - por - tant quest - ion.

We have an im - por - tant quest - ion. We have an im - por - tant quest - ion.

Gm Dm D# F<sup>5</sup> Cm A<sup>#5</sup> Dm A# F

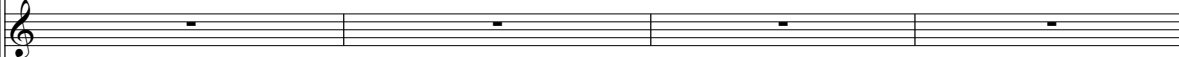
Vibraphone

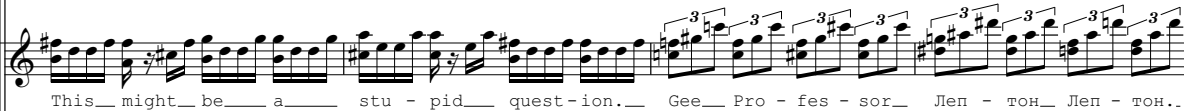
Gm Dm D# F<sup>5</sup> Cm A<sup>#5</sup> Dm A# F

Guitar

41 Bm A<sup>6</sup> G A Bm Fm C# D# A#

QUARK 

ЖЕНТОН 

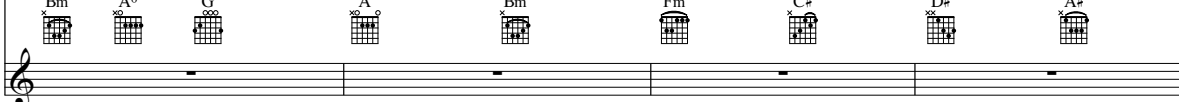
STUDENTS 



Bm A<sup>6</sup> G A Bm Fm C# D# A#

Vibraphone 

Bm A<sup>6</sup> G A Bm Fm C# D# A#

Guitar 

45 Fm C# A#m7 D# G# C# C7 Fm Fm(add9)

QUARK

Op - ti - cal, looks good. Ba - sic - ly, I'm hip.

ЛЕПТОН

Gee Pro - fes - sor Леп - тон Леп - тон. Gee Pro - fes - sor Леп - тон Леп - тон.

STUDENTS

Quark. Quark. Quark. Quark.

Vibraphone

Fm C# A#m7 D# G# C# C7 Fm Fm(add9)

Guitar

49 Cm<sup>7</sup> Fm Fm<sup>(add9)</sup> Bm F# Bm F#

QUARK I'll ad - dress all quest - ions!

JEПTOK So fail - ing. Ask if

STUDENTS Gee Pro - fes - sor Леп - тон Леп - тон. Thank you, Quark E! Thank you, Quark E!

STUDENTS Quark. Quark. No thanks to you, Леп - тон Леп - тон.

Vibraphone Cm<sup>7</sup> Fm Fm<sup>(add9)</sup> Bm F# Bm F#

Guitar Cm<sup>7</sup> Fm Fm<sup>(add9)</sup> Bm F# Bm F#

53 Bm F# Gm Gm/A Bm F# Bm F#

QUARK

JEHTOH

quest-ions 'rise brief - - - ly then you snub. No

STUDENTS

Thank you, \_ Quark E! \_ Thank you, \_ Quark E! \_ Thank you, Quark E! \_ Thank you, \_ Quark E! \_

No \_ thanks to \_ you, \_ Леп - тон \_ Леп - тон \_ No \_ thanks to \_ you, \_ Леп - тон \_ Леп - тон \_

Vibraphone

Bm F# Gm Gm/A Bm F# Bm F#

Guitar

Bm F# Gm Gm/A Bm F# Bm F#

57 Bm F# Gm Gm/A Am Bm Am E7 Am Bm Am E7 15

QUARK

JENNON

ATOM

STUDENTS

Vibraphone

Guitar

need va - li - dat - - ion.

Steal 'lec-tri-ci - ty. I'll sur-veil here. High-er le-

Thank you, Quark E! Thank you, Quark E! Ex - act - ly what is spin?

No thanks to you, Леп - тон Леп - тон. Ex - act - ly what is spin?

Bm F# Gm Gm/A Am Bm Am E7 Am Bm Am E7

Bm F# Gm Gm/A Am Bm Am E7 Am Bm Am E7

62 Am E7 Am Bm Am E7 Am

QUARK Spin is an odd mag - net - ic pro - pert-y en-com-pass-ing quan-tum

ПЕПТОН

ATOM vel. How's that go - ing? You can't spin this. You can't spin

STUDENTS Quark E? Ex - - - - act - - - ly what

Vibraphone Am E7 Am Bm Am E7 Am

Guitar Am E7 Am Bm Am E7 Am



65

QUARK

Bm Am E7 Am E7

'lec-tro-mag - ne - ti - sm theo - Real ly, we should 'dress the mat - ter here.

JEPTON

ATOM

this. You can't spin this. You can't spin

STUDENTS

is spin? T A?

is spin? T A?

Vibraphone

Bm Am E7 Am E7

Guitar

Bm Am E7 Am E7

Detailed description: The musical score is arranged in a system with six staves. The top staff, labeled 'QUARK', is a vocal line in treble clef with a melody and lyrics: ''lec-tro-mag - ne - ti - sm theo - Real ly, we should 'dress the mat - ter here.' Above this staff are chord markings: Bm, Am, E7, Am, and E7. The second staff, labeled 'JEP TON', contains a whole rest. The third staff, labeled 'ATOM', is a vocal line in treble clef with lyrics: 'this. You can't spin this. You can't spin'. The fourth and fifth staves, labeled 'STUDENTS', are a vocal line in treble clef and a bass line in bass clef, both with lyrics: 'is spin? T A?'. The sixth staff, labeled 'Vibraphone', contains a whole rest. The seventh staff, labeled 'Guitar', shows chord diagrams for Bm, Am, E7, Am, and E7. The page number '65' is at the top left, and '17' is at the top right.

67 Am Bm Am E7 Am B7 D E7

QUARK I need toei-gen-state the up-down obser va- ble. You're al - ways in my space?

ПЕПТОН

ATOM this. You can't spin this. You can't spin this. Need to men - tion, you can't spin

STUDENTS Ex - - act - ly what is spin? Teach - er?

Vibraphone Am Bm Am E7 Am B7 D E7

Guitar Am Bm Am E7 Am B7 D E7

Am Bm Am E7 Am B7 D E7

Am Bm Am E7 Am B7 D E7

71

QUARK

Am Bm Am E7 Am

Space-time fa-bri-cat-ion brings a - bout li - mi - tat-ions, so let's

ПЕРТОН

ATOM

us. You can't spin us. You can't spin us. You can't spin us. You can't spin

STUDENTS

What do you have in core for us?

Vibraphone

Am Bm Am E7 Am

Guitar

Am Bm Am E7 Am

Am Bm Am E7 Am

Am Bm Am E7 Am

73

**QUARK**

move to state for - mat - ion, mixed va - lence with-in fem - to - se - conds, hear

**ПЕРТОН**

**ATOM**

us. You can't spin us. You can't spin us. You can't spin us. You can't spin

**STUDENTS**

What do you have in ac - cord - ance?

**Vibraphone**

**Guitar**

Bm Am E<sup>7</sup> Am E<sup>7</sup>

Bm Am E<sup>7</sup> Am E<sup>7</sup>

Detailed description: This is a musical score for page 20, measures 73 through 77. The score is written for six parts: Quark, Perton, Atom, Students (Vocal), Vibraphone, and Guitar. The key signature has two flats (Bb and Eb), and the time signature is 4/4. The Quark part has a melody with lyrics: "move to state for - mat - ion, mixed va - lence with-in fem - to - se - conds, hear". The Perton part is a whole rest. The Atom part has a melody with lyrics: "us. You can't spin us. You can't spin us. You can't spin us. You can't spin". The Students part has a vocal melody with lyrics: "What do you have in ac - cord - ance?". The Vibraphone part is a whole rest. The Guitar part has a whole rest. Chords Bm, Am, and E7 are indicated above the staves. The score is written in a clean, modern style with a white background and black text.

75 Am Bm Am E7 Am

QUARK all that you qua-si-bo-rons? An e - xa - mi - nat - ion filled

ПЕПТОН

ATOM us. You can't spin us. You can't spin us. You can't spin us. You can't spin

STUDENTS What do you have that'll shock our core?

Vibraphone Am Bm Am E7 Am

Guitar Am Bm Am E7 Am

77

QUARK

with holes in scan - trons.

ЧЕРНОТ

ATOM

us. You can't spin us. You can't spin us. In theor - y though, Please share with

STUDENTS

What do you ex - pect from nu - clei?

Vibraphone

B<sup>7</sup> D E<sup>7</sup>

Guitar

B<sup>7</sup> D E<sup>7</sup>

The musical score is written for a page numbered 22. It features six staves. The first staff is for 'QUARK' and contains the lyrics 'with holes in scan - trons.' with a treble clef and a key signature of one sharp (F#). Above the staff are the chord symbols B<sup>7</sup>, D, and E<sup>7</sup>. The second staff is for 'ЧЕРНОТ' and is empty. The third staff is for 'ATOM' and contains the lyrics 'us. You can't spin us. You can't spin us. In theor - y though, Please share with'. The fourth and fifth staves are for 'STUDENTS' and contain the lyrics 'What do you ex - pect from nu - clei?'. The fourth staff has a treble clef and the fifth staff has a bass clef. The sixth staff is for 'Vibraphone' and is empty, with chord symbols B<sup>7</sup>, D, and E<sup>7</sup> above it. The seventh staff is for 'Guitar' and is empty, with chord symbols B<sup>7</sup>, D, and E<sup>7</sup> above it. The chord symbols are placed above the staves at the beginning of each measure.

79 Am Bm Am E7 Am

QUARK Think of in-side-out-side your mat-ters, you'll fi-gure out your charge

ЖЕНТОН

ATOM us. Please share with us. Please share with

STUDENTS

Will this mo-ment

Will this mo-ment

Vibraphone Am Bm Am E7 Am

Am Bm Am E7 Am

Guitar

81

QUARK

and your con - fi - gu - rat - ion. There's some - thing to be - ing no - ble, guess.

ПЕПТОН

ATOM

us. Please share with us. Please share with

STUDENTS

be curved? Fail - - - ure?

Vibraphone

Bm Am E7 Am E7

Guitar

Bm Am E7 Am E7



83 Am Bm Am E7 Am

QUARK I'll stop with sur - veil - lance when this bas - ic u - nit just quits

JENTOH

ATOM us. Please share with us. Please share with

STUDENTS

Will this mo - - ment

Vibraphone Am Bm Am E7 Am

Guitar Am Bm Am E7 Am

85

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

QUARK

tak - ing e - ner - gy!

ЖЕНТОХ

ATOM

us. Please share with us. I serve va - lence. E - ner - gies for

STUDENTS

be curved? Va - lence? Con tri - but - ion. Con tri - but - ion.

Vibraphone

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

Guitar

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

The musical score is arranged in five systems. The first system (QUARK) has a treble clef and lyrics 'tak - ing e - ner - gy!'. The second system (ЖЕНТОХ) is empty. The third system (ATOM) has a treble clef and lyrics 'us. Please share with us. I serve va - lence. E - ner - gies for'. The fourth system (STUDENTS) consists of two staves, both with treble clefs, and lyrics 'be curved? Va - lence? Con tri - but - ion. Con tri - but - ion.'. The fifth system (Vibraphone and Guitar) has a treble clef and lyrics 'B<sup>7</sup> D E<sup>7</sup> B<sup>m</sup> G A E'. The guitar part includes chord diagrams for B<sup>7</sup>, D, E<sup>7</sup>, B<sup>m</sup>, G, A, and E.

89 Bm G G<sup>6</sup> A D G F#7

QUARK

ЖЕПТОН

ATOM

the va - lence! If you are high - er

STUDENTS

Con - tri - but - ion. Con - tri - but - ion. Con - tri - but - ion.

Con - tri - but - ion. Con - tri - but - ion. Con - tri - but - ion.

Bm G G<sup>6</sup> A D G F#7

Vibraphone

Bm G G<sup>6</sup> A D G F#7

Guitar

92 Bm Bm(add9) F#m7 Bm Bm(add9)

QUARK

ПЕПТОН

ATOM

le - - vel though fail - ure, they can too!

STUDENTS

Con- tri - but - ion. Con - tri - but - ion. Con - tri - but - ion.

Con - tri - but - ion. Con - tri - but - ion. Con - tri - but - ion.

Vibraphone

Bm Bm(add9) F#m7 Bm Bm(add9)

Guitar

Bm Bm(add9) F#m7 Bm Bm(add9)

95 Bm A<sup>6</sup> G A Bm Am F G D

QUARK

JEПТОH

They'll get e - lec - trons. They'll group the el - ements.

ATOM

STUDENTS

Dis - tri - but - ion of the scan - trons. Nodes, or - bit - als.. Nodes, or - bit - als..

Dis - tri - but - ion of the scan - trons. Neu - tral cir - cles. Neu - tral cir - cles.

Vibraphone

Guitar

99 Am F Dm<sup>7</sup> G C F E<sup>7</sup> Am Am(add9)

QUARK

ЯЕПТОН

They'll con - fig - u - rate. They'll come out their shells.

ATOM

STUDENTS

Nodes, or - bit - als. Nodes, or - bit - als. Nodes, or - bit - als. Nodes, or - bit - als.

Neu - tral cir - cles. Neu - tral cir - cles. Neu - tral cir cles. Neu - tral cir - cles.

Vibraphone

Guitar

Am F Dm<sup>7</sup> G C F E<sup>7</sup> Am Am(add9)

103 Em<sup>7</sup> Am Am(add9) Gm F<sup>6</sup> D<sup>#</sup> F<sup>5</sup> Cm

QUARK

ЯЕПТОН

They'll find out their va - lence. Quark, as - sist - ant,

ATOM

STUDENTS

Nodes, or - bit - als. Nodes, or bit - als. Mo - ti - vat - ion. Make as - sump - tions.

Neu - tral\_ cir - cles. Neu - tral\_ cir - cles. Mo - ti - vat - ion. Make as - sump - tions.

Vibraphone

Guitar

Em<sup>7</sup> Am Am(add9) Gm F<sup>6</sup> D<sup>#</sup> F<sup>5</sup> Cm

107 A<sup>#5</sup> Dm A<sup>#</sup> F Gm F<sup>6</sup> D<sup>#</sup> F<sup>5</sup> Cm

QUARK

ЖЕНТОХ

you'll not fail. Quark, as - sur - ance,

ATOM

STUDENTS

Nat-u - ral\_\_ e - qua - tions. Di - rect\_no - tat - ions. Ge - ne - rat - ions. In - form - at - ion.\_

Nat-u - ral\_\_ e - qua - tions. Di - rect\_no - tat - ions. Ge - ne - rat - ions. In - form at - ion.\_

Vibraphone

A<sup>#5</sup> Dm A<sup>#</sup> F Gm F<sup>6</sup> D<sup>#</sup> F<sup>5</sup> Cm

Guitar

A<sup>#5</sup> Dm A<sup>#</sup> F Gm F<sup>6</sup> D<sup>#</sup> F<sup>5</sup> Cm



111 A<sup>#5</sup> Dm A<sup>#</sup> F Bm F<sup>#</sup> Bm F<sup>#</sup>

QUARK

JEПTOH

you need no val. Don't take it. Wrong e -

ATOM

STUDENTS

Ob - ser - vat - ion.\_ Shelled e - lec - trons! Va lence e-lec-trons. Va - lence e-lec-trons.

Ob - ser - vat - ion.\_ Shelled e - lec - trons! Va - li - dat - ion.\_ Va - li - dat - ion.\_

Vibraphone

A<sup>#5</sup> Dm A<sup>#</sup> F Bm F<sup>#</sup> Bm F<sup>#</sup>

Guitar

115 Bm F# Gm Gm/A Bm F# Bm F#

QUARK

ЯЕПТОН

ner - gy le - vel. \_\_\_\_ Va - li - di - ty. There's

ATOM

STUDENTS

Va - lence e-lec-trons. Va - lence e-lec-trons. Va - lence e-lec-trons. Va - lence e-lec-trons.

Va - li - dat - ion. \_ Va - li - dat - ion. \_ Va - li - dat - ion. \_ Va - li - dat - ion. \_

Vibraphone

Bm F# Gm Gm/A Bm F# Bm F#

Bm F# Gm Gm/A Bm F# Bm F#

Guitar

119 Bm F# Gm Gm/A Bm F# Bm F#

QUARK

ЖЕПТОХ

no need search - ing va - li - di - ty. The heart

ATOM

STUDENTS

Va - lence e-lec-trons. Va - lence e-lec-trons. Va - lence e-lec - trons. Va - lence e-lec-trons.

Va - li - dat - ion. Va - li - dat - ion. Va - li - dat - ion. Va - li - dat - ion.

Vibraphone

Bm F# Gm Gm/A Bm F# Bm F#

Guitar

Bm F# Gm Gm/A Bm F# Bm F#

123 Bm F# Gm Gm/A Bm F#

QUARK

JENTOH

of phy - sics pumps \_\_\_\_\_ va - li - di - ty.

ATOM

STUDENTS

Va - lence e - lec - trons. Va - lence\_ e - lec - trons. Va - lence\_ e - lec - trons.

Va - li - dat - ion. Va - li - dat - ion. Va - li - dat - ion.

Vibraphone

Guitar

The musical score is for a song titled "Particle Physics". It features five vocal parts: Quark, Jentoh, Atom, Students, and Vibraphone. The lyrics are: "of physics pumps validity. Valence electrons. Validity. Valence electrons. Validity." The guitar chords are: Bm, F#, Gm, Gm/A, Bm, F#.

126 Bm F# Bm F# Gm Gm/A Bm

QUARK

ЖЕНТОН

Need no va - li - dat - - i - on.

ATOM

STUDENTS

Va - lence e-lec-trons. Va - lence e-lec-trons. Va - lence e-lec-trons. Jump!

Va - li - dat - ion. Va - li - dat - ion. Va - li - dat - ion. Bump!

Vibraphone

Guitar

Bm F# Bm F# Gm Gm/A Bm

Bm F# Bm F# Gm Gm/A Bm