

Olli Virtaperko
Multikolor

for Baritone Saxophone and Ensemble

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uced in any
e composer.

Olli Virtaperko
Multikolor

for Baritone Saxophone and Ensemble

duration 18 minutes

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"MULTIKOLOR for Baritone Saxophone and a 10-piece ensemble, was commissioned by the TampereRaw ensemble. It was premiered 30 October 2016 by Joonatan Rautiola (baritone saxophone soloist) and TampereRaw (under Tuomas Turriago). The composing took place between 17 June and 29 December 2014 in Helsinki & Viitasaari. MULTIKOLOR is dedicated to Joonatan." (O.V., 4 November 2016)

INSTRUMENTATION:

Flute

Oboe

Clarinet (in B_b)

Horn (in F)

Bassoon

Baritone Saxophone soloist

2 Violins

Viola

Violoncello

Double Bass

NOTATION:

General

Trills are diatonic, if not otherwise specified (the altered tone is the closest upward unaccidented tone)

Strings

Diamond-shaped noteheads refer to natural harmonics. The string from where a particular harmonic should be played is indicated with Roman numeral (I = highest string; IV = lowest string).

Note that indication *off string* refers to "aggressive accentuation" only when it is accompanied with accent mark or/with crescendo.

S.P. sul ponticello (near the bridge)

N. normal (used after S.P.)

On

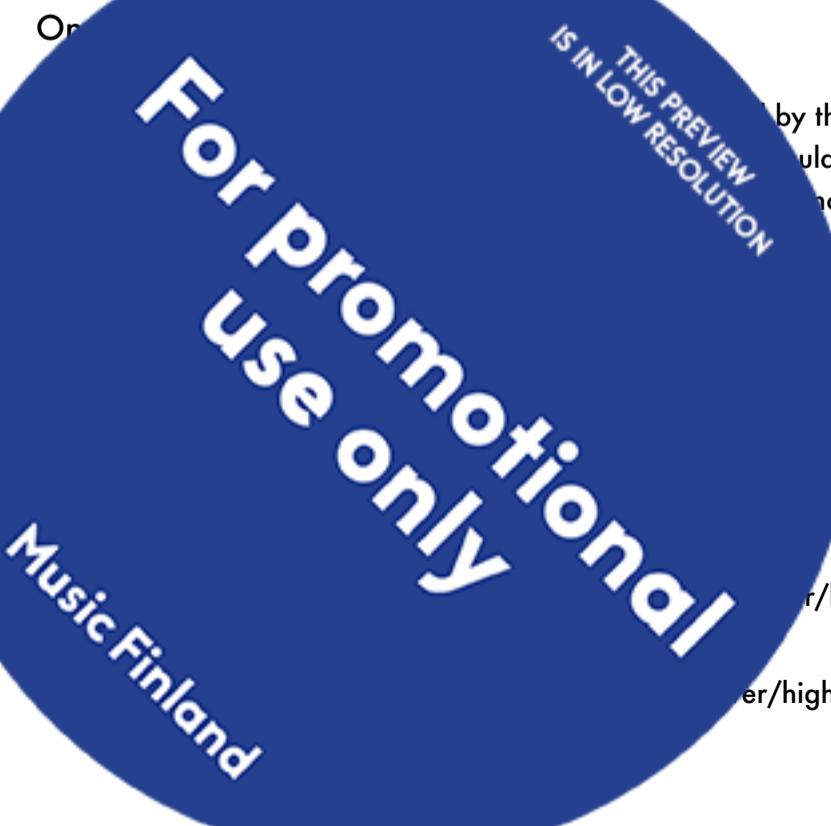
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by the microtonal harmonies of the multiphones of the baritone saxophone. Due to the uncalculated (e.g. frequencies from several overtone series sounding simultaneously), exact notation is impossible. Consequently, for the practical reasons, the used microtonal notation is based on standard equal tuning and the final judgement is left to the musicians' ears (as is impossible in music, where each musician has an independent part and unisono

combination with other microtonal accidentals

higher/lower (15-35 cents)

higher/lower (35-50 cents)



Multikolor

for Baritone Saxophone and Ensemble

transposed score

$\text{♩} = 75$

Olli Virtaperko 2014

Baritone
Saxophone
(in E \flat)

(p - mp)

Fl.

mp

Ob.

8

Cl.
(in B \flat)

mp

Hn.
(in F)

8

Fg.

8

mp

vibr.

mp
vibr.

B. Sax.
(in E \flat)

mp

bend

narrow trill

vibr.

Vcl.

8

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2

11

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg. (2+3+4)

B. Sax. (in E_♭) (2+3+4)

Vln. 1

Vln. 2

Vla

Vcl.

D. B.



16

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

B.

Vcl.

D. B.

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21

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

B. Sax. (in E_b)

Vln. 1

Vln. 2

Vla

Vcl.

D.B.

2

3

5

6

4

1

2

3

5

Ta

mp

mp

mp

mp

mp



26

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

Vcl.

D.B.

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semi-tone trills

slow down to $\frac{1}{16}$ (in tempo)
light slapping

4

29

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

B. Sax. (in E_b)

Vln. 1

Vln. 2

Vla

Vcl.

D.B.

rapid bursts (tempo ad lib.)
repeat pattern

light slapping

rapid bursts

tapping with light blowing support

tapping with light blowing support



34

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.



B.

Vcl.

D.B.

ord. → mostly air → *ord. (vary the sound color ad lib.)*

(p)

I II

p II

p III IV

p II III

p I

p I II

I II III

p I

p I II

I II III

p I

p I II

I II III

p I

39

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

B. Sax. (in E_b) *slap 3 ord. light slapping rit.*

Vln. 1 *off string*

Vln. 2 *off string*

Vla *off string*

Vcl. *off string*

D.B. *off string*

43 $\bullet = 50$

Fl.

Ob.

Cl. (in B_b) *p RA Ctr. Bb E F#* *R Bb tr. (p - mp) (mp - mf)*

Hn. (in F) *p*

Fg.

mp

x 2 3 B_b 4 5 6 E

light slapping 10

Vcl. *III off string*

D.B. *IV off string* *mp off string* *IV. off string*

6

47

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

H-based overtone series
8th partial
11th partial

p

Add pulsative rhythm patterns by altering embouchure.
Apply patterns every here and there, not constantly!

B. Sax. (in E_♭)

search partials from that area

ord.

similarly, freely

Vln. 1

Vln. 2

Vla.

Vcl.

D.B.

III off string
IV III

III IV

III IV 3

IV III II I

IV I I II

II III

off string (as before)

gliss. on harmonics

mp

off string



52

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

(9th)

ord.

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B. (in E_♭)

III II

off string III

IV

II I II

I III

gliss. on harmonics IV

IV III

IV III

III

II

gliss. on harmonics IV

IV

ord.

M

M

p

57

Fl.

Ob.

Cl. (in B \flat)

Hn. (in F)

Fg.

Cu. Bb.

(mp - mf)

match the intonation with the soloist's fundament

B. Sax. (in E \flat)

(mp - mf)

Vln. 1

Vln. 2

Vla.

Vcl.

D. B.

pp subito — mp cresc.

ord, sul II III IV

pp subito — mp II III II

pp subito — mp II III IV

pp subito — mp II I II

pp subito — mp III IV

p — mp

62

Fl.

Ob.

Cl. (in B \flat)

Hn. (in F)

Fg.

slow gliss.

mf

slow gliss.

mf

slow gliss.

mf

(ord.)

expressive

mf

bisbigliando (with C# key)

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no vibrato I

mp no vibrato II

mp no vibrato II

mp no vibrato III

mp

off string (as before)

mp

67

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

B. Sax. (in E_b)

Vln. 1

Vln. 2

Vla

Vcl.

D.B.

bisbigliando
+ - + - + simile
3 5 6 5

bisbigliando intensity
1 2 4 5 6 E_b

crescendo, focus on f
1 2 G_#

exaggerated vibrato
(cresc.-dim.)

exaggerated vibrato
(cresc.-dim.)

exaggerated vibrato
(cresc.-dim.)

exaggerated vibrato
(cresc.-dim.)

mp III II I

mp III II

mp I II

mp IV

mp

mf

mp



72

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

B. Sax. (in E_b)

Vcl.

D.B.

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expressive, with cello

expressive, with sax. III I

III II I

III II I

III II I

IV II

IV I

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76

Fl. f
Ob. R f
Cl. (in B \flat) Bb tr. mf
Hn. (in F) + + + + 3 ord.
Fg. f 6 9 mf

B. Sax. (in E \flat) 8 bend

Vln. 1 IV
Vln. 2 3 3 3 5 6
Vla. 5 mf off string
Vcl. II I 3 6
D.B. mf



79

Fl. mf
Ob. mf
Cl. (in B \flat) mf
Hn. (in F)
Fg.

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D.B. mf

10

83

Fl.

Ob.

Cl. (in B \flat)

Hn. (in F)

Fg.

B. Sax. (in E \flat)

Vln. 1

Vln. 2

Vla.

Vcl.

D. B.

$\frac{1}{3} A$
 $\frac{5}{6} C5$
 $\frac{7}{6}$

x
 $C3$
 $C5$

(cresc.-dim.)
exaggerated vibrato

mp

mp

mp

ord.

mp

 $\text{♩} = 100$

87

Fl.

Ob.

Cl. (in B \flat)

Hn. (in F)

Fg.

mf

f

fp

mp

fp

mp

fp

mp

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Vcl.

D. B.

off string

II

fp

off string

fp

intensively, a bit faster

91

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

bend

f

intensively, a bit faster

B. Sax. (in E_b)

Vln. 1

Vln. 2

Vla.

Vcl.

D. B.

S.P. → N.

sfpz

II III

sfpz

sfpz

sfpz

sfpz

sfpz

f

94

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

b

6

5

6

3

6

mp ³

mf

C2
C1

f

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98

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

B. Sax. (in E_♭)

Vln. 1

Vln. 2

Vla

Vcl.

D.B.



103

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

Vcl.

D.B.

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108 *calming down*

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

B. Sax. (in E_b)

Vln. 1

Vln. 2

Vla

Vcl.

D.B.

calming down

mp

mp

mp

mp

mp

mp

mp

mf

mp

mp

mp

mf



114

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

Vcl.

D.B.

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14

119

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

B. Sax. (in E_♭)

Vln. 1

Vln. 2

Vla.

Vcl.

D. B.

mp

II III II I III
IV II III IV III II IV IV III IV

mp

mp

mp

mp

mp

mp

p

II III II III III III III



125

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

B. Sax.

Vcl.

D. B.

(non vibrato)

p

p

$\frac{2}{4}$ $\frac{3}{4}$

III

II III III III

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131

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

B. Sax. (in E_♭)

Vln. 1

Vln. 2

Vla

Vcl.

D.B.

intensively

=

136

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

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V
D.B.

(mf)

16

140

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

B. Sax. (in E_♭)

mf expressive

mf

mf ord.

mf

(8^{va}) -

Vln. 1

Vln. 2

Vla

Vcl.

D.B.

=

144

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

B. Sax. (in E_♭)

mp

mp

mp

mp

mp

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148

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

B. Sax. (in E_♭)

Vln. 1

Vln. 2

Vla

Vcl.

D.B.



152

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

B.

D.B.

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157

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

B. Sax. (in E_♭)

Vln. 1

Vln. 2

Vla

Vcl.

D.B.

mf 3 3
mp
mp 5
mf 6
match the intonation with the soloist's fundament
C2
C1
C4
C3

8



161

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

B. Sax.

Vcl.

D.B.

p
mp
mp
p
mp
p
ou
x C2
2 C4
C3 C5
C5

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166

Fl. Ob. Cl. (in B_b) Hn. (in F) Fg. B. Sax. (in E_b) Vln. 1 Vln. 2 Vla. Vcl. D. B.



171

Fl. Ob. Cl. (in B_b) Hn. (in F) Fg. Vcl. D. B. Vcl. D. B.

moderate bisbigliano ad lib.

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176

Fl. Ob. Cl. (in B_♭) Hn. (in F) Fg.

p

more intense bisbigliano ad lib.

B. Sax. (in E_♭)

C₂ C₂ C₂
C₁ C₁ C₁
C₄ C₄ C₁
C₃ C₃ C₃
C₅

fast multifonic figuration, freely

(mf-ff)

accelerando

Vln. 1 Vln. 2 Vla. Vcl. D.B.

S.P. S.P. S.P. S.P.

p <> <>

sfz *sfz* *sfz*

mp

179

Fl. Ob. Cl. (in B_♭) Hn. (in F) Fg.

mf

B. Soc. (in E_♭)

bisbigliando, freely

multiphonic, descending chromatic scale

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a lot of bow with very light bow pressure and create undefined, sparkling noise using all strings I-IV.
similar decending scale-gestures with occasional glissandos.

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182

Fl.

Ob.

Cl. (in B \flat)

Hn. (in F)

Fg.

B. Sax. (in E \flat)

Vln. 1

Vln. 2

Vla

Vcl.

D.B.

search A-overtones, freely
ord.
M

scratches (extended bow pressure, low speed, not loud)
similary to 1st violin

continue (quiet) noise-making as before
S.P.

scratches on g string (extended bow pressure)
(approximate rhythm)
(p)

scratches (distracted with voice)
broken tones (distracted with voice)

continue (quiet) noise-making as before

scratches on G & C strings (extended bow pressure, low speed, rhythm ad lib)
(approximate rhythm)
(p)

185

Fl.

Ob.

Cl. (in B \flat)

Hn. (in F)

Fg.

Vcl.

D.B.

scratches as before
(noise-making)

f

ITa
C5
(+ oct. key)
quasi gliss.
A-overtones
(continue this rhythm & overtones freely, but play also the notated slaps)
slap

scratches on g string (extended bow pressure)
react to saxophone slaps

ord.

mp

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188

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

f

mf

B. Sax. (in E_♭)

fp

(continue the noise-making as before)

Vln. 1

Vln. 2

Vla.

Vcl.

D.B.

fp < *mf*

mf

imitate clarinet figuration without producing clear pitches (= with the previous noise-producing attitude)

190

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

fp

f

f

B.

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volume and bow pressure

Subtone (Sbt.)

ord.

M

similarly

release, released)

phoneme bursts without producing clear pitches (= with the previous noise-producing attitude)

(S.P.)

N.

fp

f

mf

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192

Fl. Ob. Cl. (in B₃) Hn. (in F) Fg. B. Sax. (in E₃) Vln. 1 Vln. 2 Vla. Vcl. D.B.

mp *pp* *pp* *pp* *pp* *pp* *pp* *pp*

similarly

(continue the noise-making as before)

volume and bow pressure

imitate saxophone bursts without producing clear pitches (= with the previous noise-producing attitude)

(S.P.) *p* *fz*

f

194

Fl. Ob. Cl. (in B₃) Hn. (in F) Fg.

f *ff* *ff* *ff* *ff* *ff*

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24

196 \sharp

Fl.

Ob.

Cl. (in B \flat)

Hn. (in F)

Fg.

B. Sax. (in E \flat) → Sbt. → Ord. fff

Vln. 1 (noise volume)

Vln. 2 (noise volume) → go to the low register and fiddle around there

Vla.

Vcl. (noise volume)

D.B.

≡

198

Fl.

Ob.

Cl. (in B \flat)

Hn. (in F)

Fg.

B. Sax. → Sbt. → Ord.

Vln. 1 (noise volume)

Vln. 2 (noise volume) → go to the low register and fiddle around there

Vla.

Vcl. (noise volume)

D.B.

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200

Fl.
Ob.
Cl.
(in B)
Hn.
(in F)
Fg.

CADENZA*tempo a little bit more relaxed, freely*

B. Sax.
(in E \flat)

M
slap

Sbt.
Ord.

Sbt.
(fingering as before, Sbt.)

$< f >$ alter trills, non-regular rhythmic patterns

Vln. 1
Vln. 2
Vla
Vcl.
D.B.

204

B. Sax.
(in E \flat)

find overtones
 M

$< f >$ as before

Vln. 1

208

Fl.
Ob.
Cl.
(in B)
Hn.
(in F)
Fg.

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D.B.

1
2
3 A
5
6
7

212

B. Sax. (in E \flat)

focus on f

gliss ad lib.

play

sing

feast with differential tones!

216

B. Sax. (in E \flat)

ou

x | C2
C1
2 | C4
C3 | C3
C5 | C5

C2
C1
C3

slap tongue
(use the fingering
of the multiphone)

(similarly)

(END OF CADENZA)

222 play

B. Sax. (in E \flat)

sing
(glissandos with voice)

226 $\text{♩} = 50$

Fl.

Ob.

Cl. (in B \flat)

Hn. (in F)

Fg.

p

mp

R

A

F#

sing
(female voice optionally 8va)

play

(mp-mf)

$\text{♩} = 50$

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B. Sax. (in E \flat)

play with neck + mouthpiece only

affectively

(vibrato)

mf

III IV

IV IV

softly

mp

III II

III III

IV III IV

3 III III

III

II

I

III II

arco

Vc.

D.B.

$\text{♩} = 50$

230

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

B. Sax. (in E_b) ad lib. play + voice sing

Vln. 1 off string (gently)

Vln. 2 off string (gently)

Vla

Vcl. II I mp

D.B.



234

Fl. 7 mf

Ob. 5 mf

Cl. (in B_b) mf

Hn. (in F) 3 mf

Fg. 5 mf

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freely, rhythm values suggestive

with mouthpiece only

fade in ad lib.

ad lib., possibly with voice

III gliss. no vibr.

Vcl.

D.B.

238

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

B. Sax. (in E_b)

Vln. 1

Vln. 2

Vla

Vcl.

D.B.



$\text{♪} = \text{♩}$ (double tempo)

243

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

Vcl.

D.B.

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248

Fl. (p) Ob. Cl. (in B_b) Hn. (in F) Fg.

B. Sax. (in E_b)

Vln. 1 (p) Vln. 2 (p) Vla. (p) Vcl. (p) D.B. (p)

pick up the partials

1 2 3 4 5 6 7 E_b C₃ C₅ 3 3



253

Fl. Ob. Cl. (in B_b) Hn. (in F) Fg.

Vcl. D.B.

(previous tempo)

G# mp

focus on f

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258

Fl.

Ob.

Cl. (in B_♭) R F p

Hn. (in F)

Fg.

B. Sax. (in E_♭) x 2 3 4 (7) (pp-p)

Vln. 1 III pp (gently) III off string (as before)

Vln. 2 pp off string (gently)

Vla III pp off string (as before)

Vcl. III II (gently) I off string (gently) pp S.P.

D.B. III pp (gently) pp

flatterzung

R E pp

bisbigliando ad lib with E_♭ key ---> (pp-mp)

off string

III

IV

I

II

III

off string

(as before)

off string

(gently)

off string

(gently)

off string

(gently)

S.P.

263

Fl.

Ob.

Cl. (in B_♭) fix intonation to octave unisono with cello pp

Hn. (in F) 7th partial of G pp

Fg.

B. fix intonation to unisono with viola



268

Fl.

Ob.

Cl. (in B_b)

Hn. (in F)

Fg.

B. Sax. (in E_b)

Vln. 1

Vln. 2

Vla

S.P.

Vcl.

D.B.

III II
freely (like before) *ppp*

pp

I II III
off string

pp

273

Fl.

Ob.

Cl. (in B_b) RA Ctr. Bb E F#

Hn. (in F)

Fg.

P.

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slow glissando, find differential tones with saxophone

fix intonation to unisono with the lower partial of the soloist's multiphone

D.B.

III
3
ppp

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277

Fl.

Ob.

Cl. (in B_♭) Ctr. Bb. RA
pp Ctr. Bb. E F#

Hn. (in F)

Fg.

B. Sax. (in E_♭)

Vln. 1 IV ppp

Vln. 2 II IV ppp

Vla left hand plugging finger:
4th 1st

Vcl. pizz

D.B. pp



281

Fl.

Ob.

Cl. (in B_♭)

Hn. (in F)

Fg.

B. Sax. (in F) THIS PREVIEW IS IN LOW RESOLUTION

Vcl. quasi slap,
secco

D.B. pp

IV

secco

+ secco

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