

Slavko Zagorac

LigetiQ Workshop

for

String quartet

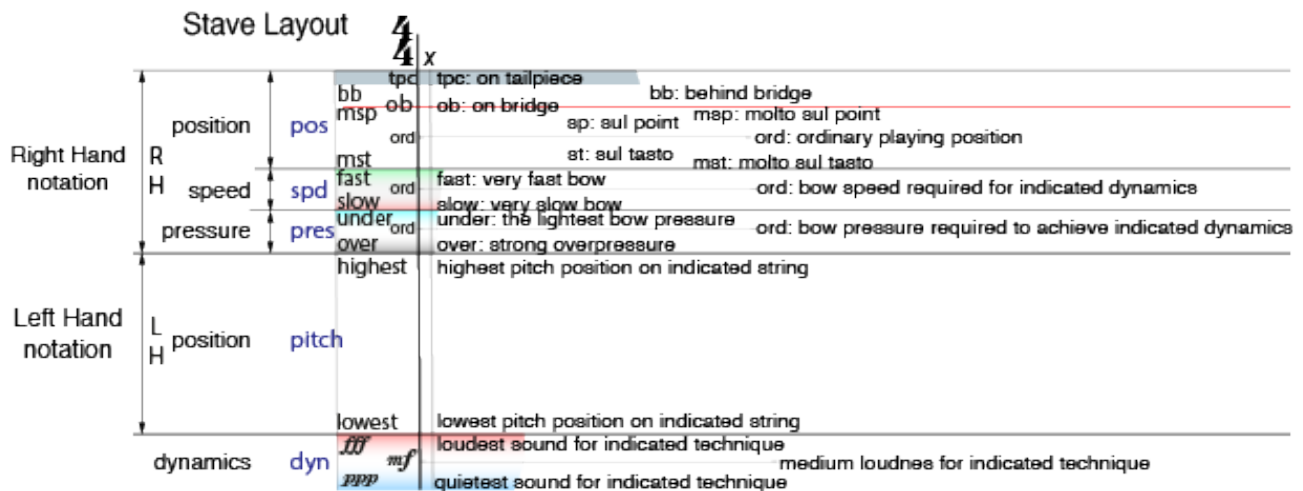
For Information only

The score will be visualised on computer screens during a performance

Performance Instructions:

Graphical staves

The graphical staves indicate performance actions and their approximate physical position on each instrument. The notation is proportional in space/time so the distance between two beats in the same tempo is uniform across the score. Traditional symbolic staves are inserted on top of graphical staves where precise pitch intonation is required. Symbolic staves take precedence over the graphical staves and override any perceived graphical staff location.



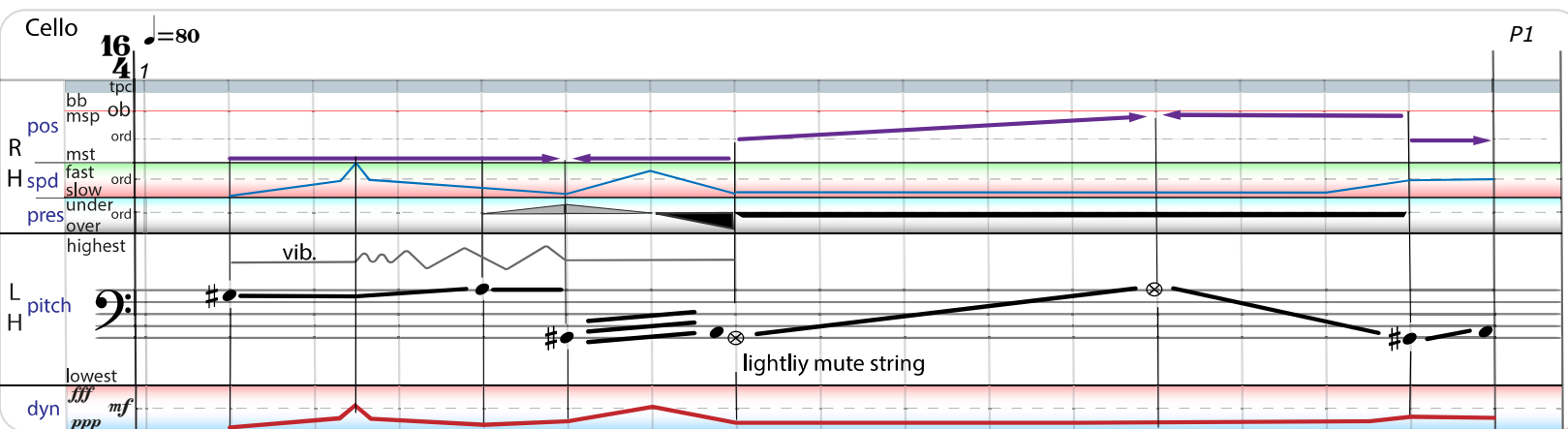
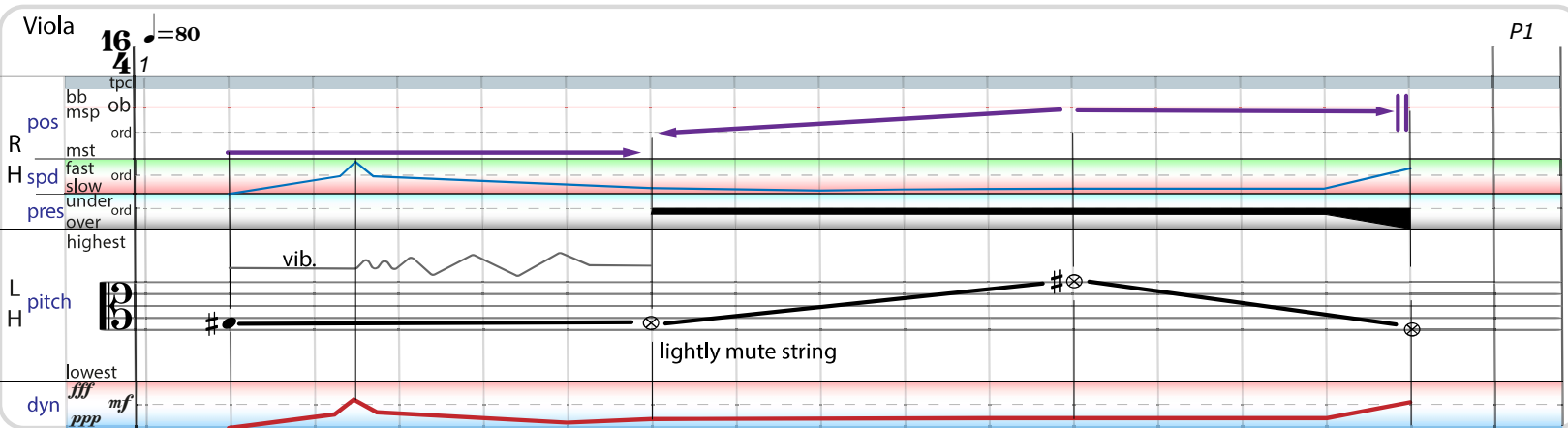
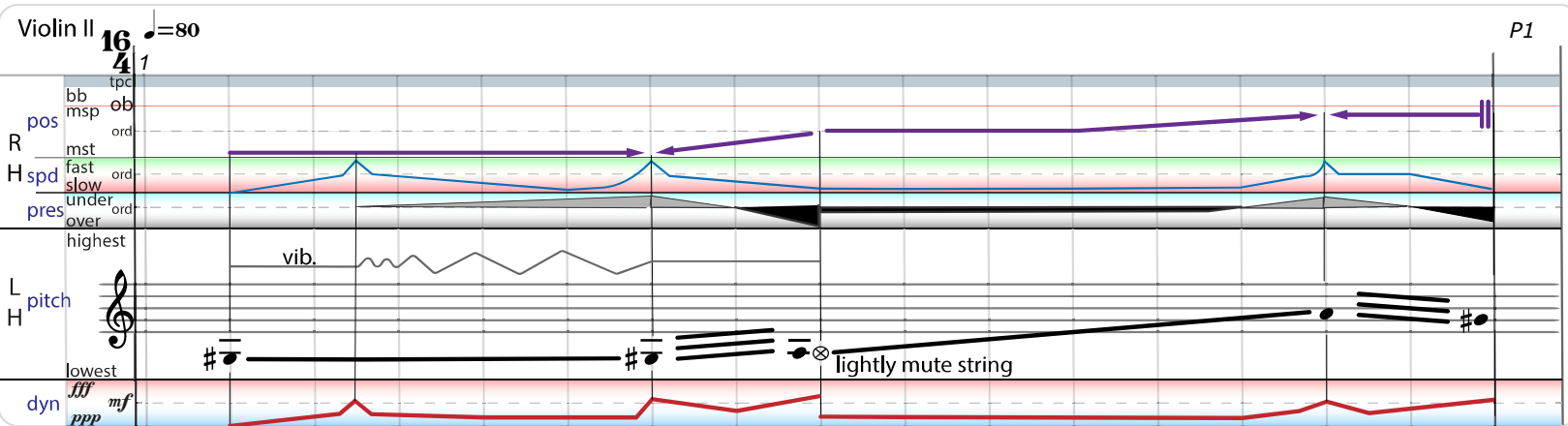
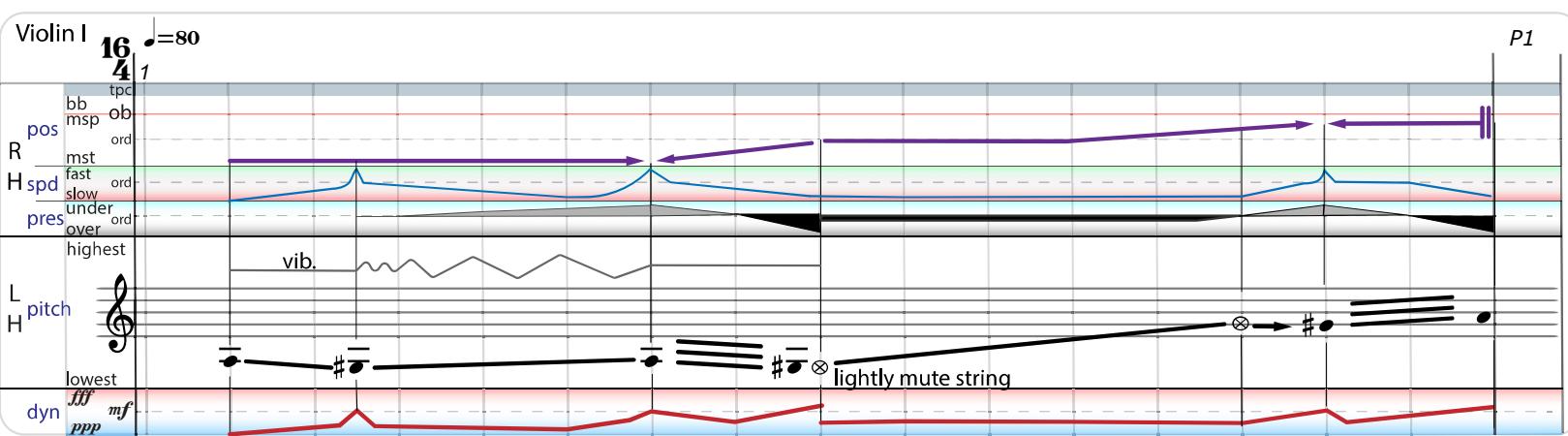
Symbols

Right Hand

- Bartok pizz.
- col legno battuto (CLB)
- jete gliss col legno battuto, throw bow in indicated direction
- bow direction: upbow
- bow direction: downbow
- sudden bow stop on strings: choke
- vertical bow tremolo (along the string)
- horizontal bow tremolo (ordinary bow tremolo)
- strings tremolo (rapidly switch bow between indicated adjacent strings)
- intensity of bow overpressure (scratch tone)
- intensity of bow underpressure

Left Hand

- indicates finger position and the length of time the string should be stopped
- harmonic finger pressure
- half-harmonic finger pressure (between harmonic and full pressure)
- dumpen the strings with more than one finger to stop vibration
- vib.* vibrato (speed and intensity), default: No vibrato
- harmonic finger tremolo (speed and position)



Violin I **16** **4** **2** P2

pos: tpc, bb, msp, ord, ob, ord

R: mst, fast, ord, slow, under, over, ord

L: highest, vib., III, IV, lowest, dyn: *fff*, *mf*, *ppp*

III, IV vertical bow tremolo

lightly mute strings

Violin II **16** **4** **2** P2

pos: tpc, bb, msp, ord, ob, ord

R: mst, fast, ord, slow, under, over, ord

L: highest, vib., III, IV, lowest, dyn: *fff*, *mf*, *ppp*

III, IV vertical bow tremolo

lightly mute strings

Viola **16** **4** **2** P2

pos: tpc, bb, msp, ord, ob, ord

R: mst, fast, ord, slow, under, over, ord

L: highest, vib., I, II, lowest, dyn: *fff*, *mf*, *ppp*

I + II I bow tremolo

lightly mute string

Cello **16** **4** **2** P2

pos: tpc, bb, msp, ord, ob, ord

R: mst, fast, ord, slow, under, over, ord

L: highest, vib., I, II, lowest, dyn: *fff*, *mf*, *ppp*

I + II I bow tremolo

lightly mute string

Violin I **16** **4** **3** P3

tpc
bb msp ob
ord
R pos
mst
H spd fast ord
slow under ord
pres over ord
highest

behind bridge ▼
IV col legno battuto (CLB)
jete gliss
arco ord
pizz
CLB

irregular finger battuto
continue similar

IV #

lowest
dyn *fff* *mf*
ppp

Violin II **16** **4** **3** P3

tpc
bb msp ob
ord
R pos
mst
H spd fast ord
slow under ord
pres over ord
highest

behind bridge ▼
IV col legno battuto (CLB)
jete gliss
arco ord
pizz
arco

irregular finger battuto
continue similar

IV #

lowest
dyn *fff* *mf*
ppp

Viola **16** **4** **3** P3

tpc
bb msp ob
ord
R pos
mst
H spd fast ord
slow under ord
pres over ord
highest

behind bridge ▼
col legno battuto (CLB) III
jete gliss
arco ord
pizz
arco ord

III irregular finger battuto
continue similar

III #

lowest
dyn *fff* *mf*
ppp

Cello **16** **4** **3** P3

tpc
bb msp ob
ord
R pos
mst
H spd fast ord
slow under ord
pres over ord
highest

behind bridge ▼
col legno battuto (CLB) III
jete gliss
arco ord
pizz
arco ord
CLB jete gliss

III irregular finger battuto
continue similar

III #

lowest
dyn *fff* *mf*
ppp

Violin I **16** **4/4** P4

R pos tpc bb msp ob ord
H spd fast ord
pres under ord over
L pitch highest
dyn fff mf ppp

CLB jete gliss

pizz

arco ord

IV vertical bow tremolo

IV irregular finger battuto

ord III
IV

Violin II **16** **4/4** P4

R pos tpc bb msp ob ord
H spd fast ord
pres under ord over
L pitch highest
dyn fff mf ppp

CLB

pizz

arco ord

IV vertical bow tremolo

IV irregular finger battuto

ord III
IV

Viola **16** **4/4** P4

R pos tpc bb msp ob ord
H spd fast ord
pres under ord over
L pitch highest
dyn fff mf ppp

CLB jete gliss

pizz

arco ord

III vertical bow tremolo

III irregular finger battuto

ord I
III

Cello **16** **4/4** P4

R pos tpc bb msp ob ord
H spd fast ord
pres under ord over
L pitch highest
dyn fff mf ppp

arco ord

pizz

arco

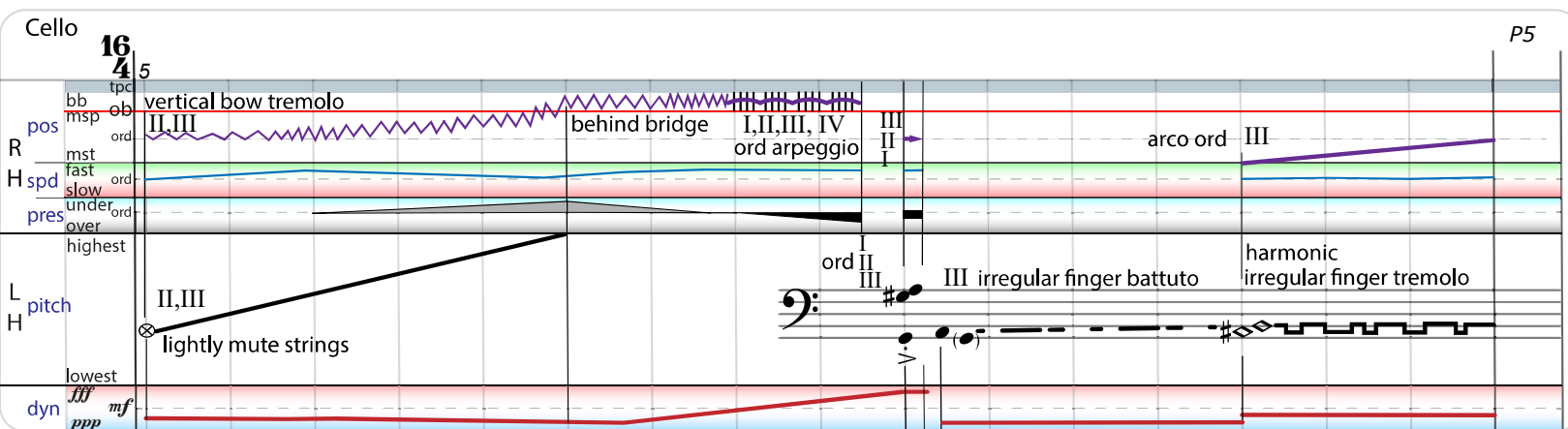
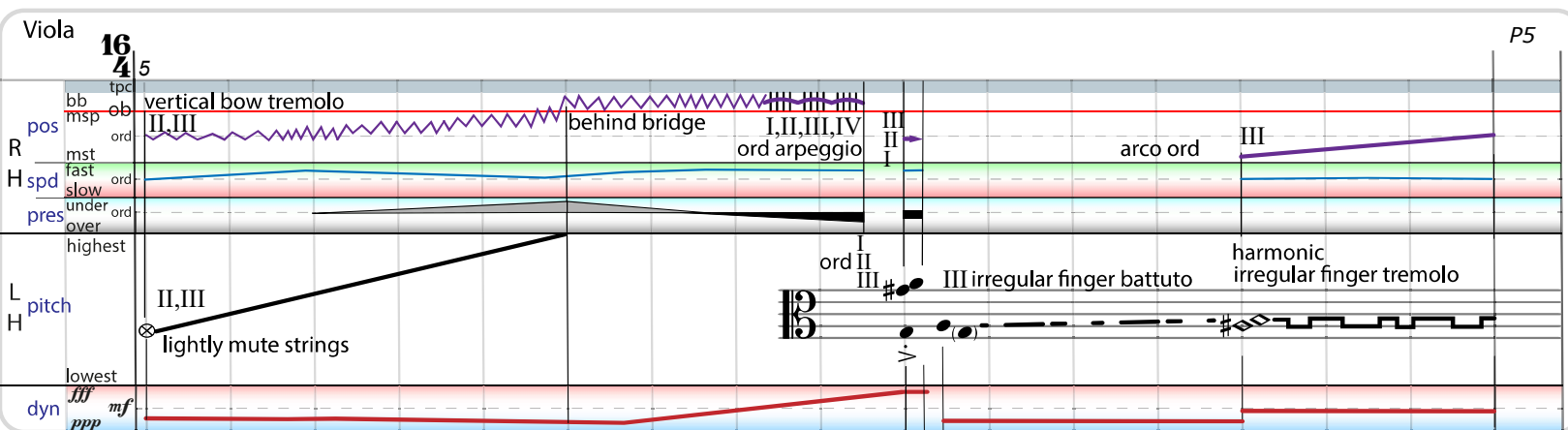
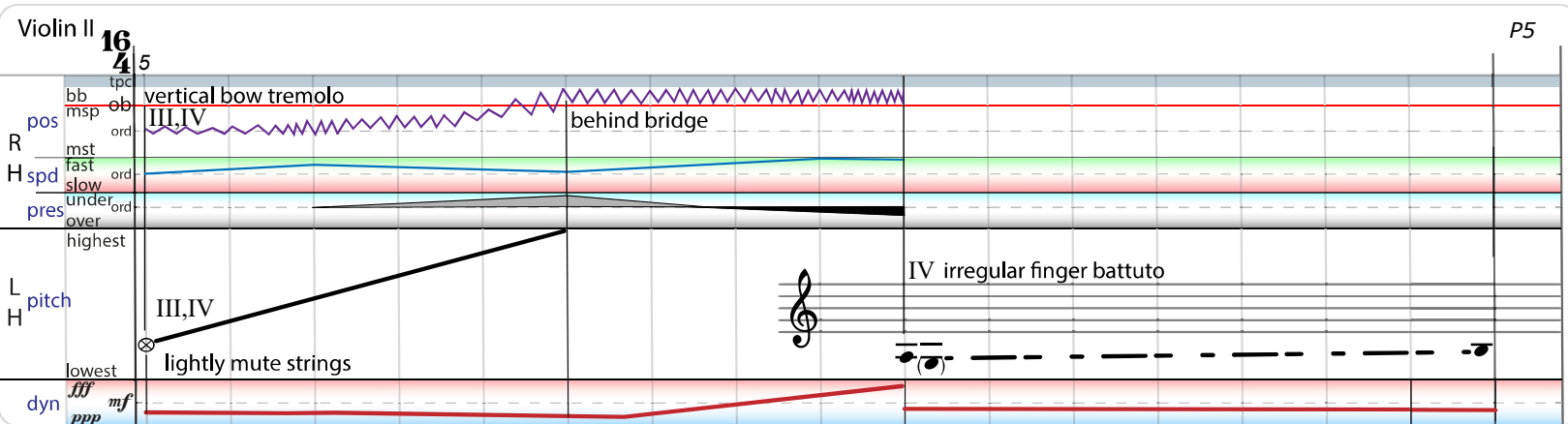
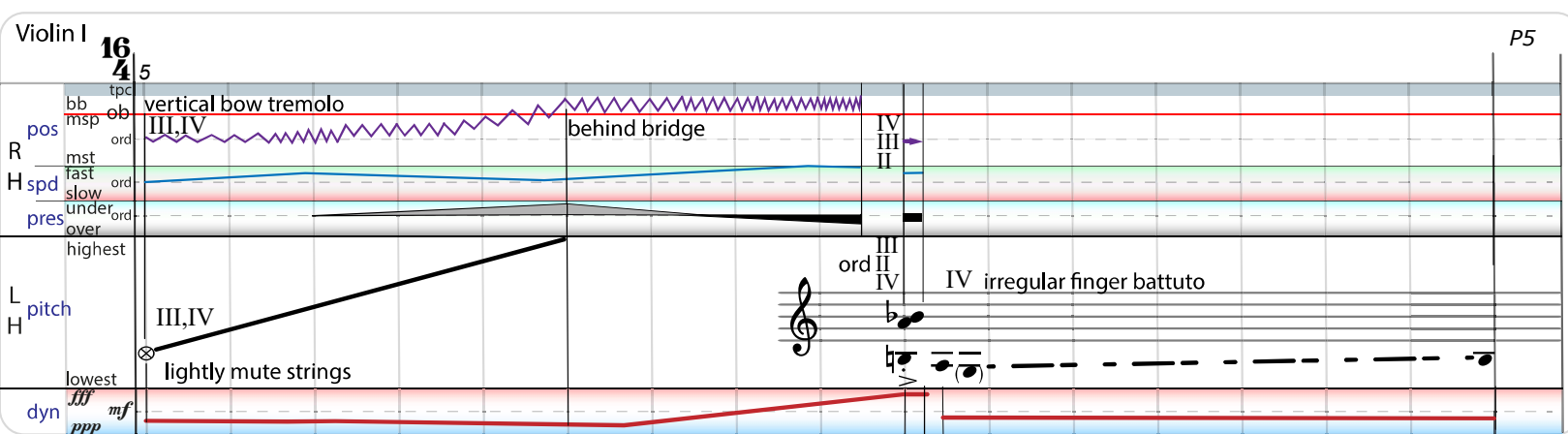
III vertical bow tremolo

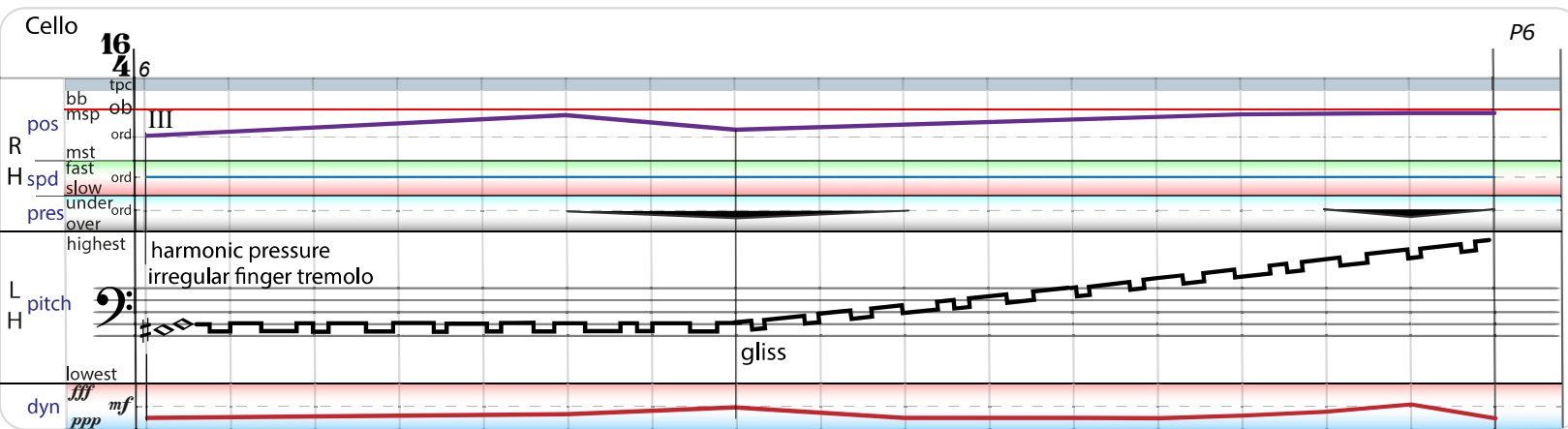
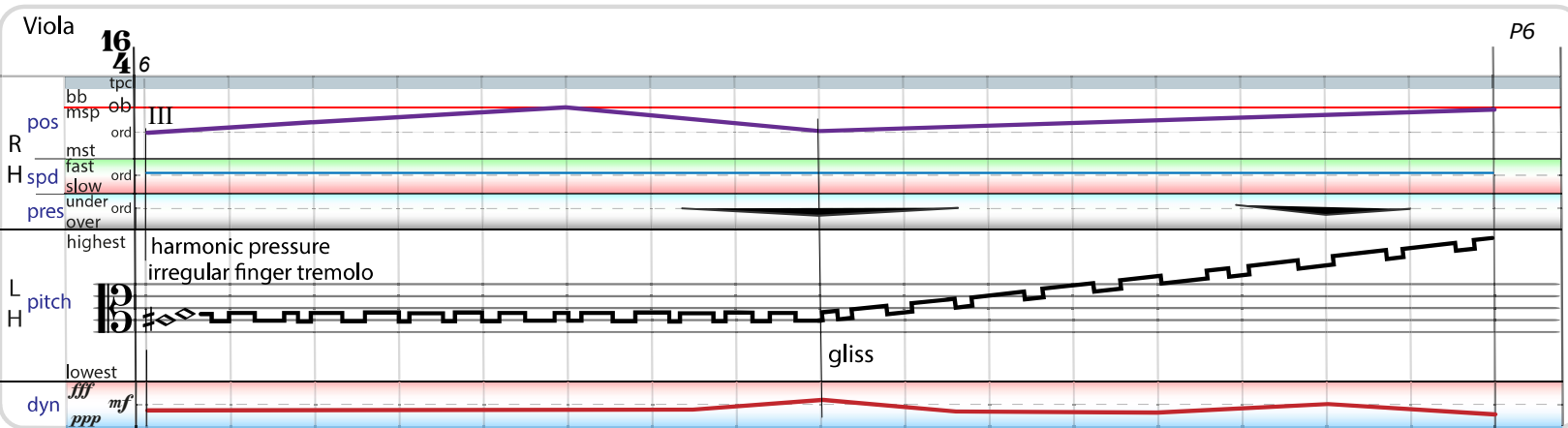
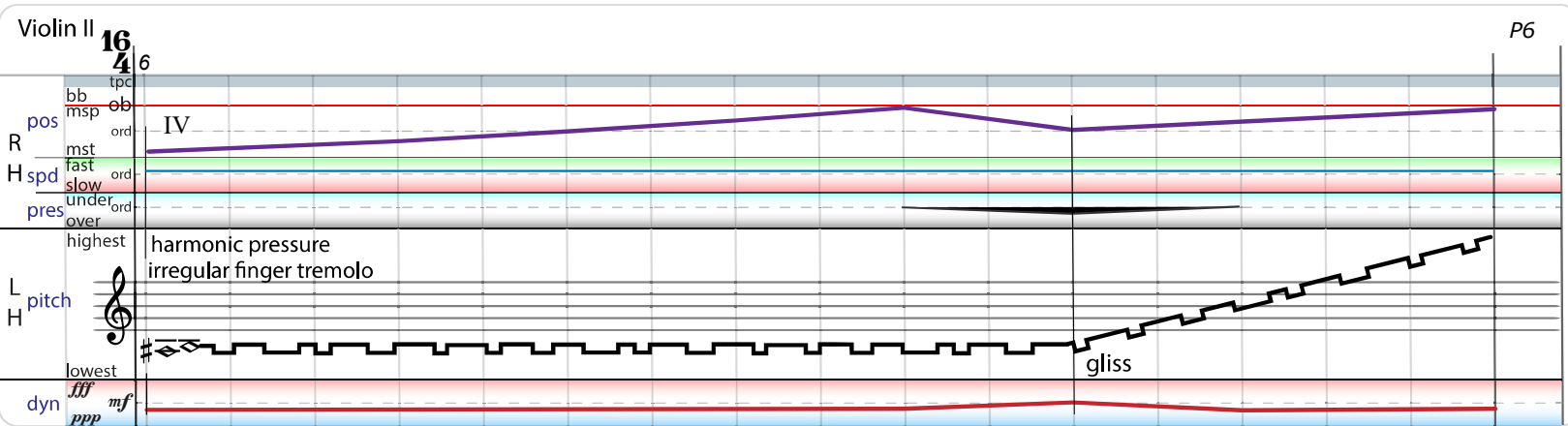
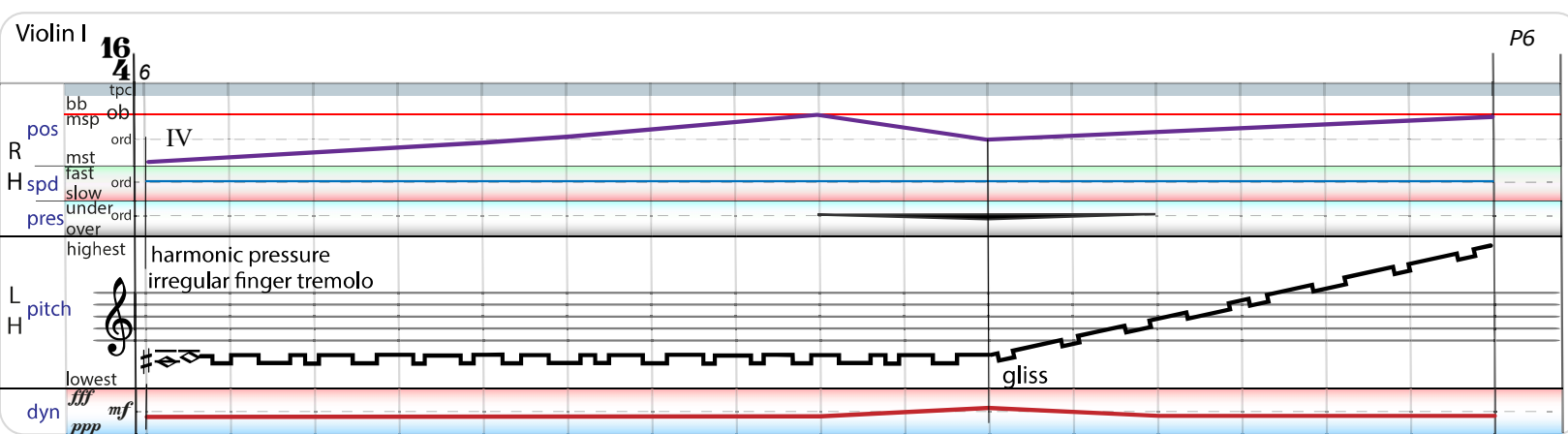
irregular finger battuto

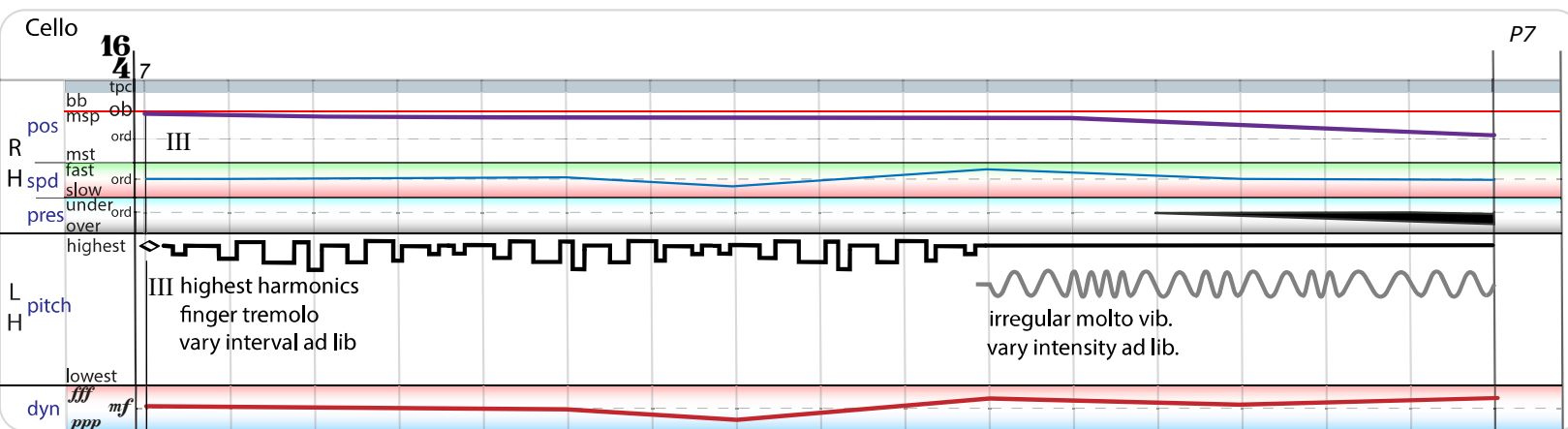
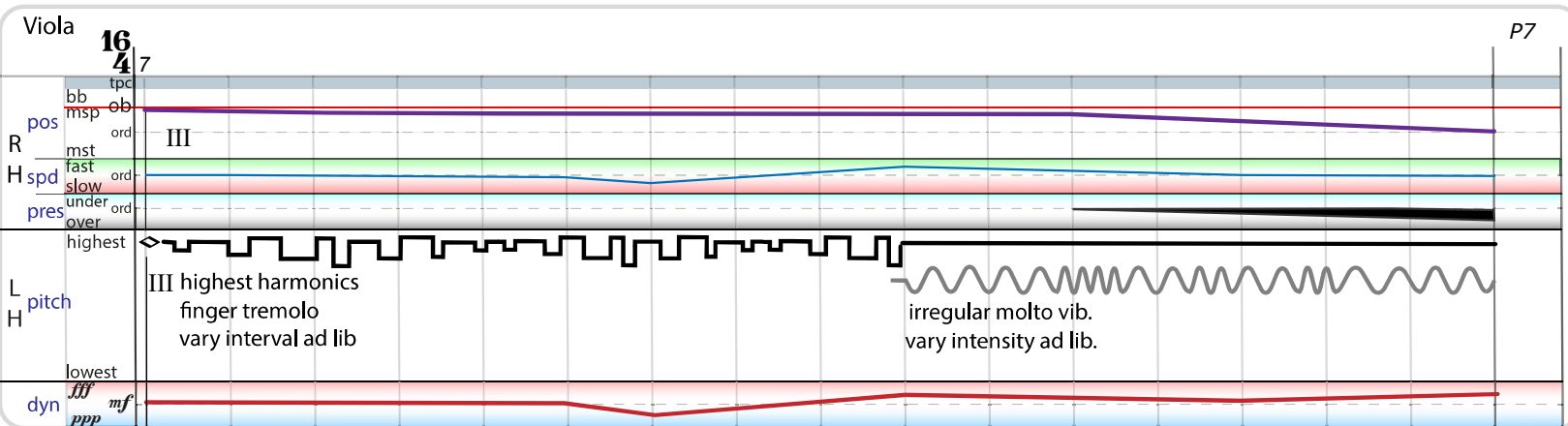
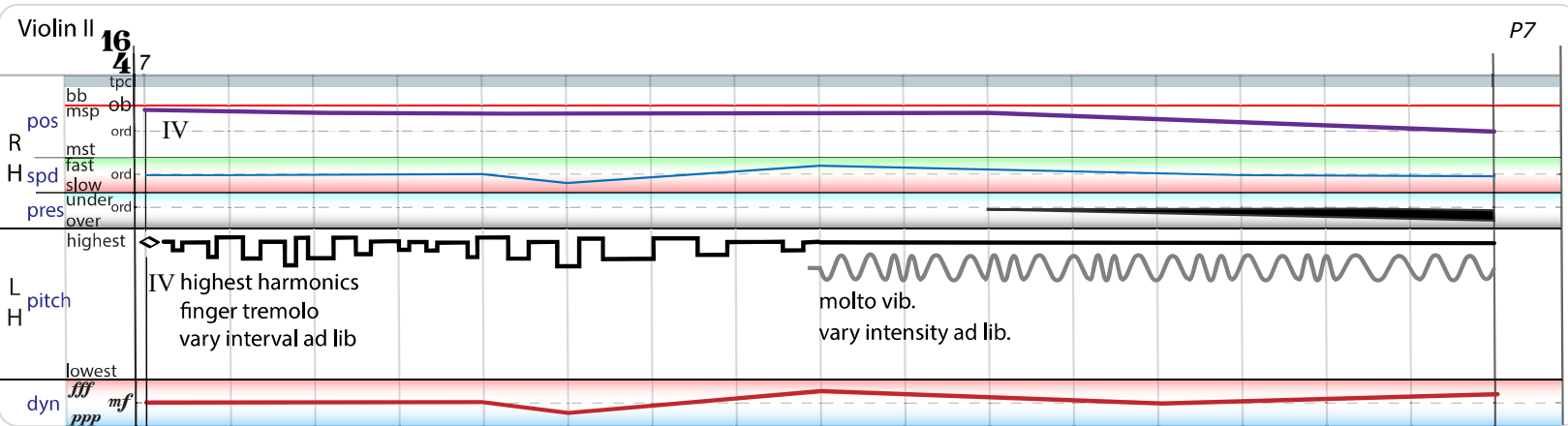
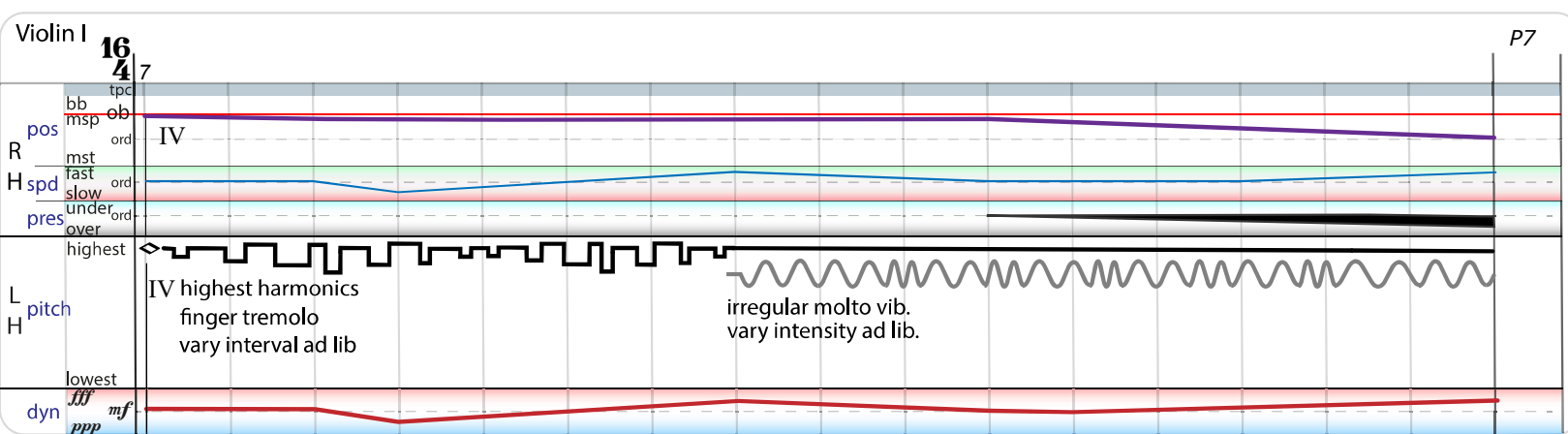
ord II
III

mute strings

II, III







Violin I **16** **4** **8** P8

pos: bb, msp, ord, IV

R: mst, fast, ord, irregular bow tremolo

H: spd, slow, under, over, pres

L: pitch, sfz, IV, ad lib raising harmonics, irregular finger tremolo, sfz

H: lowest, highest

dyn: fff, mf, ppp

Violin II **16** **4** **8** P8

pos: bb, msp, ord, IV

R: mst, fast, ord, irregular bow tremolo

H: spd, slow, under, over, pres

L: pitch, sfz, IV, ad lib raising harmonics, irregular finger tremolo, sfz

H: lowest, highest

dyn: fff, mf, ppp

Viola **16** **4** **8** P8

pos: bb, msp, ord, III

R: mst, fast, ord, irregular bow tremolo

H: spd, slow, under, over, pres

L: pitch, sfz, III, ad lib raising harmonics, irregular finger tremolo, sfz

H: lowest, highest

dyn: fff, mf, ppp

Cello **16** **4** **8** P8

pos: bb, msp, ord, III

R: mst, fast, ord, irregular bow tremolo

H: spd, slow, under, over, pres

L: pitch, sfz, III, ad lib raising harmonics, irregular finger tremolo, sfz

H: lowest, highest

dyn: fff, mf, ppp

Violin I **16**
4 x

Px

tpc
bb msp ob
ord
R mst
fast
H spd slow ord
pres under ord
over
highest

L pitch
H

lowest
dyn *fff* *mf*
ppp

This block represents the Violin I staff. It features a grand staff with a treble clef and a key signature of one flat (Bb). The notation includes a series of eighth notes across the staff. Performance parameters are indicated by various labels: 'pos' for position, 'R' for right hand, 'H' for high, 'L' for low, 'pitch' for pitch, 'dyn' for dynamics, and 'spd' for speed. The dynamics range from 'ppp' (pianissimo) to 'mf' (mezzo-forte). The speed is marked as 'fast' and 'slow'. The pitch is marked as 'highest' and 'lowest'. The staff is divided into measures by vertical lines, and the overall structure is defined by horizontal lines and a red line.

Violin II **16**
4 x

Px

tpc
bb msp ob
ord
R mst
fast
H spd slow ord
pres under ord
over
highest

L pitch
H

lowest
dyn *fff* *mf*
ppp

This block represents the Violin II staff. It features a grand staff with a treble clef and a key signature of one flat (Bb). The notation includes a series of eighth notes across the staff. Performance parameters are indicated by various labels: 'pos' for position, 'R' for right hand, 'H' for high, 'L' for low, 'pitch' for pitch, 'dyn' for dynamics, and 'spd' for speed. The dynamics range from 'ppp' (pianissimo) to 'mf' (mezzo-forte). The speed is marked as 'fast' and 'slow'. The pitch is marked as 'highest' and 'lowest'. The staff is divided into measures by vertical lines, and the overall structure is defined by horizontal lines and a red line.

Viola **16**
4 x

Px

tpc
bb msp ob
ord
R mst
fast
H spd slow ord
pres under ord
over
highest

L pitch
H

lowest
dyn *fff* *mf*
ppp

This block represents the Viola staff. It features a grand staff with a treble clef and a key signature of one flat (Bb). The notation includes a series of eighth notes across the staff. Performance parameters are indicated by various labels: 'pos' for position, 'R' for right hand, 'H' for high, 'L' for low, 'pitch' for pitch, 'dyn' for dynamics, and 'spd' for speed. The dynamics range from 'ppp' (pianissimo) to 'mf' (mezzo-forte). The speed is marked as 'fast' and 'slow'. The pitch is marked as 'highest' and 'lowest'. The staff is divided into measures by vertical lines, and the overall structure is defined by horizontal lines and a red line.

Cello **16**
4 x

Px

tpc
bb msp ob
ord
R mst
fast
H spd slow ord
pres under ord
over
highest

L pitch
H

lowest
dyn *fff* *mf*
ppp

This block represents the Cello staff. It features a grand staff with a treble clef and a key signature of one flat (Bb). The notation includes a series of eighth notes across the staff. Performance parameters are indicated by various labels: 'pos' for position, 'R' for right hand, 'H' for high, 'L' for low, 'pitch' for pitch, 'dyn' for dynamics, and 'spd' for speed. The dynamics range from 'ppp' (pianissimo) to 'mf' (mezzo-forte). The speed is marked as 'fast' and 'slow'. The pitch is marked as 'highest' and 'lowest'. The staff is divided into measures by vertical lines, and the overall structure is defined by horizontal lines and a red line.