

the enigma machine 2a: properties and essence
lauren redhead

Performance Notes

This piece consists of 92 chords which should be played one after the other.

In addition to this, four other configurations are suggested (for which the composer will be happy to make a score if requested). These are detailed below. Any other configuration may be put together by the performers, so long as it consists of 11 sets of related material. These relations need not be disclosed at the time of the performance. No repetition is permitted, unless of the whole piece.

Configuration 2.a.i

3	58	48	27	43	20	41	64	
8	59	62	91	29	79	35	51	67
9	2	65	19	36	73	42	60	92
24	39	82	21	44	77	54	76	22
25	49	83	31	57	79	63	16	68
5	30	38	45	71	72	89		
50	75	32	46	66	81	78	17	
52	86	37	74	80	90	1	26	
53	6	47	87	4	10	7	28	
55	18	69	88	11	12	23	40	
56	33	84	13	15	14	34	61	

Configuration 2.a.ii

3 8 9 24 25 50 52 53 55 56 58 59
2 39 49 75 86
6 18 33 48 62 65 68 82 83
32 37 47 69 84 85 91
19 21 31 46 74 87 88
5 30 38 45 71 72 89
13 27 29 36 44 57 66 80
4 11 15 43 70 73 77 79 81 90
10 12 14 20 35 42 54 63 78
1 7 21 23 34 41 51 60 76
16 17 26 28 40 61 64 67 92

Configuration 2.a.iii

28 29 48 49 63 78 87 91 92
19 27 47 57 58 59 77 86
9 26 46 54 56 76 85
25 35 39 45 53 55 75 84 90
1 10 20 30 40 50 60 70 80
22 11 21 31 41 51 61 71 81
8 18 24 44 65 67 74 83 89
3 12 22 32 42 52 62 72 82
7 23 37 43 64 66 73 79 88
5 7 15 16 34 36 38 69

4 6 13 14 17 33 35 68

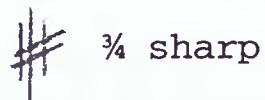
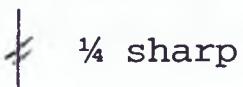
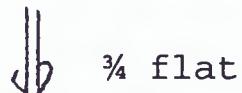
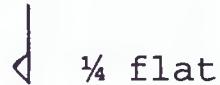
Configuration 2.a.iv

17 19 21 23 48 61 78
25 28 31 34 49 63 76
10 12 14 16 51 65 74 86 88
9 11 13 15 50 67 72 85 87
18 20 22 24 47 59 80
27 30 33 36 52 66 70 79 89 91 92
37 39 41 43 54 64 77 81 90
26 29 32 35 53 62 68 75 82 83 84
38 40 42 44 55 56 57 73
2 4 6 8 46 60 71
1 3 5 7 45 58 65 69

For Piccolo and Alto Flute

The following microtonal scheme is used:

Precise microtones:



Inflectional microtones, each 8 < • < 14 c sharp or flat:



Accidentals apply only to the note they precede.

Duration:

- Long (not necessarily equal) durations
- ◐ Short (not necessarily equal) durations

Directions apply only to the chord over which they are indicated.

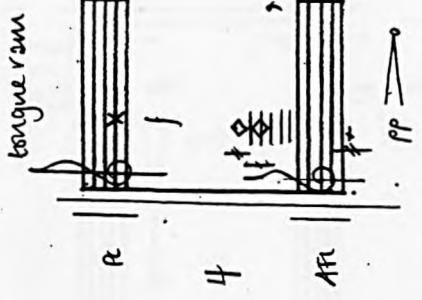
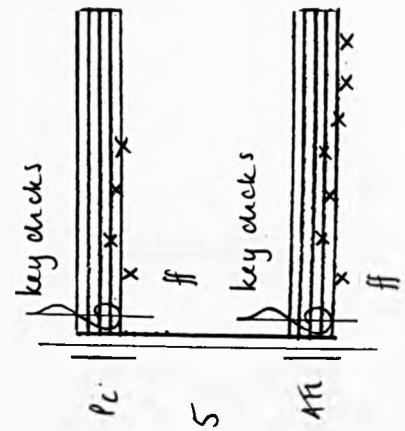
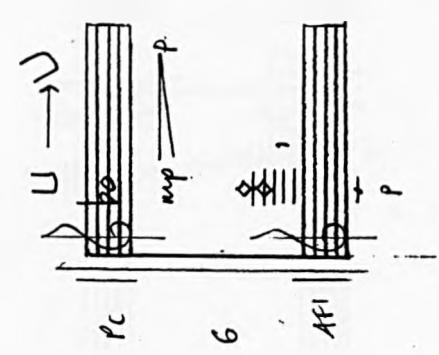
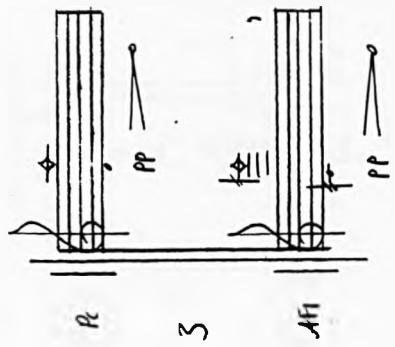
Time:

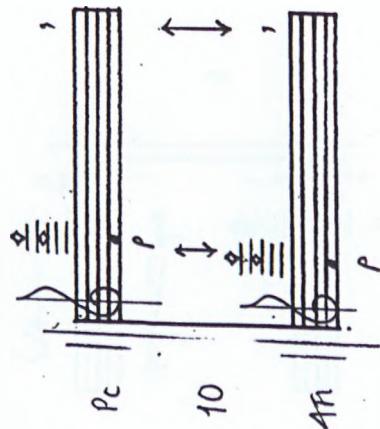
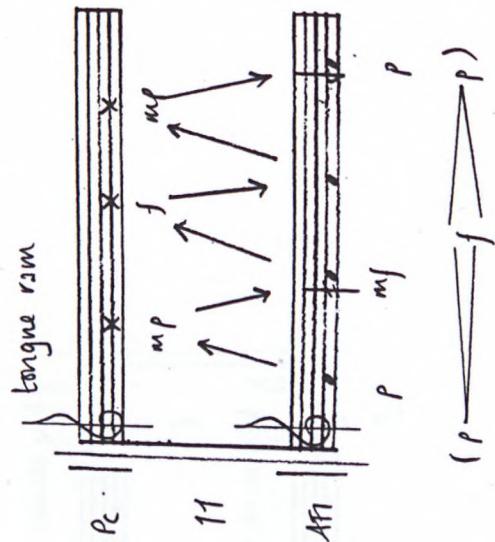
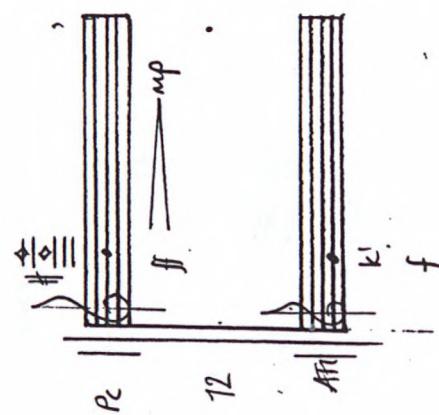
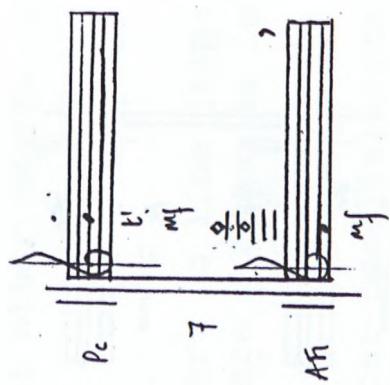
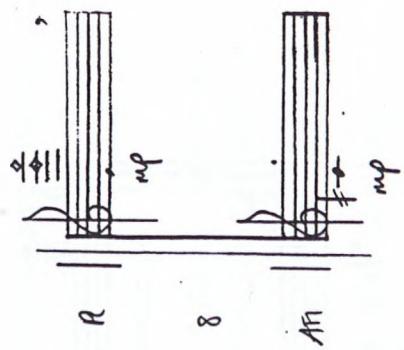
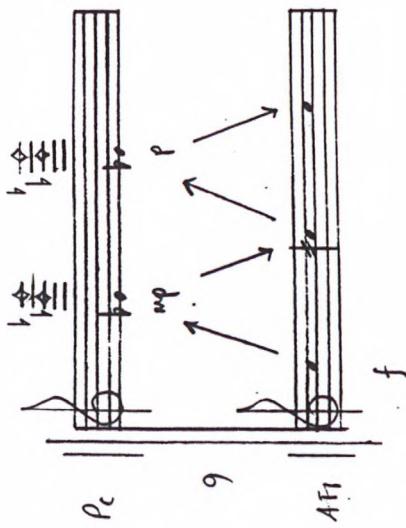
- ↑ ↓ Cue the other performer
- ↔ Begin at the same time
- ↗ ↘ Begin after the previous action

All other chords concurrently, without synchronising with each other

Where no line joins the two staves, play without any recourse to each other.
Where a tempo is indicated, this should be strict.

Other peculiarities of notation are explained in the score.
Except where indicated, please play at all times without vibrato.
Please play from the full score.





Pc |

13

An |

playing and singing

pp

Pc |

14

An |

playing and singing

p mp

Pc |

15

An |

playing and singing

f f

Pc |

16

An |

playing and singing

p ff fzg

Pc |

17

An |

vib(breath)

mp fzg

J=120

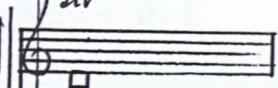
Pc |

18

An |

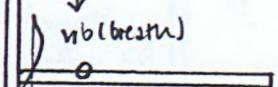
p

uv

Pc | 

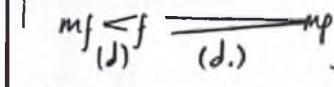
19 | 

vib(breath)

Af | 

j = 100

Pc | 

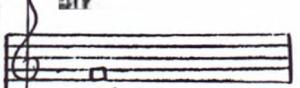
20 | 

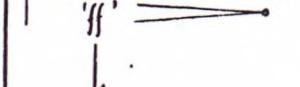
mf < f (d.) (d.) > mp

Af | 

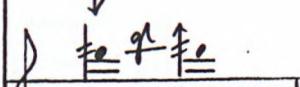
mf < f (d.) (d.) > mp

uv

Pc | 

21 | 

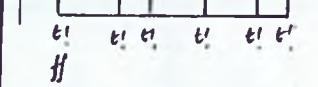
ff

Af | 

mf

j = 112

Pc | 

22 | 

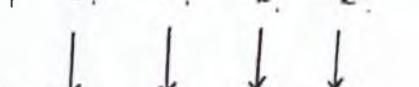
ff

Af | 

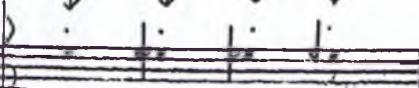
ff

j = 112

Pc | 

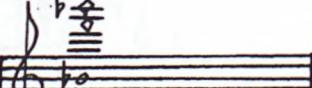
23 | 

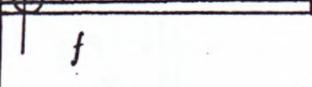
ff

Af | 

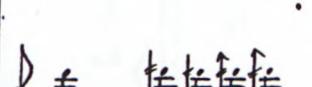
ff

j = 120

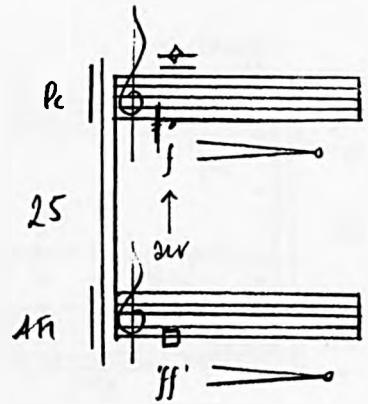
Pc | 

24 | 

ff

Af | 

ff



Pc |

26

playing and singing

↑

AN |

tongue ram

x ff x

Pc |

27

p

AFI |

gliss

mp

Pc |

28

↑

AN |

f

Pc |

29

mp

AN |

mp

Pc |

30

f

AFI |

f

Pc |

31

AFl |

'f' > 'p' 'f' > 'p'

• 32

Pc |

PP PP

AFl |

p pp

33

Pc |

mf

AFl |

mf

playing and singing

mf

Pc |

mf

playing and singing

AFl |

mf

35

Pc |

pp

AFl |

pp

36

Pc |

f p

AFl |

f p

motorvibrato (instrument)

mf

Pc

vib (breath)

pp — p — pp

37

tongue ram

AFL

sfz p — — —

R

keyclicks tr

38

keyclicks tr

AFL

ff

Pc

ff

39

AFL

ff

Pc

playing and singing

f — mp

40

gliss

AFL

k!

f — mp

Pc

d!

f

41

AFL

pp

Pc

mp

42

vib (breath)

AFL

mp

Pc *tongueram*

43

AFl *mf*

Pc *fleg*

44

AFl *f mp*

vib(instrument)

A *key clicks* tr

45

AFl *tr ff*

key clicks

Pc *air sound*

46

AFl *ff fleg pp*

J=100

47

Pc ff

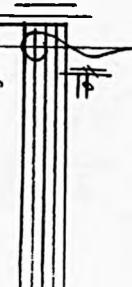
AFl *ff fleg f ff mp ff mp ff f*

mf ff mp ff (d) ff (d) ff (d) f

Pc *sleg*

48

AFl *f*

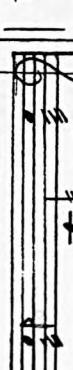
Rc | 

f
49
↑
mf

An | 

ff

Rc | 

p
mfp
f
f12g
mf
An | 

(
pp
mp
f

Rc | 

mp

52
tongue ram

An | 

ff
mf
pp

Rc | 

d'
↑
U → U → U

An | 

pp

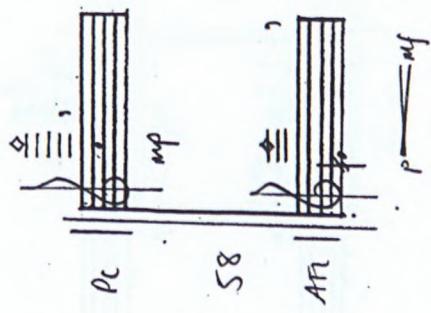
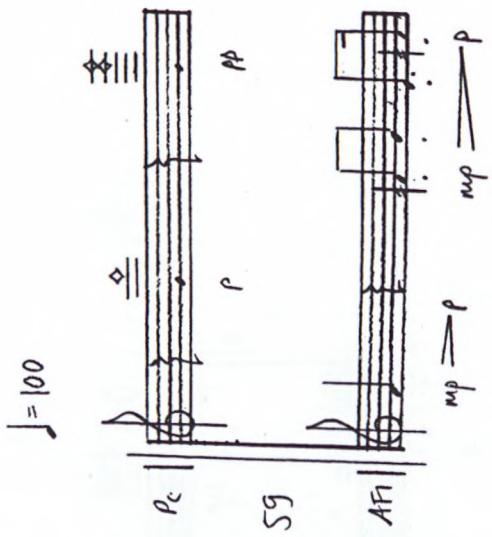
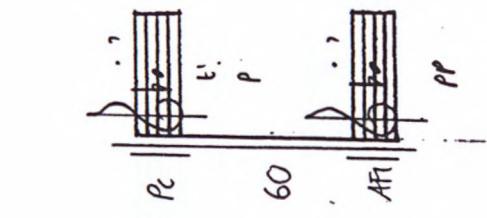
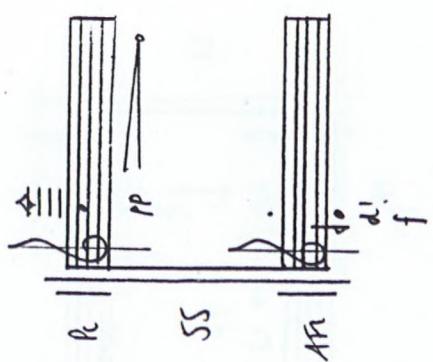
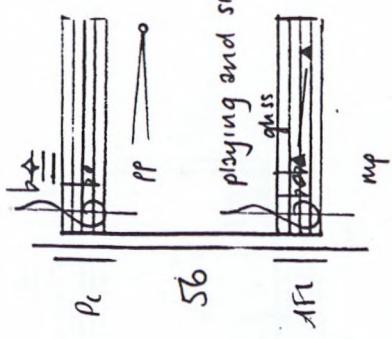
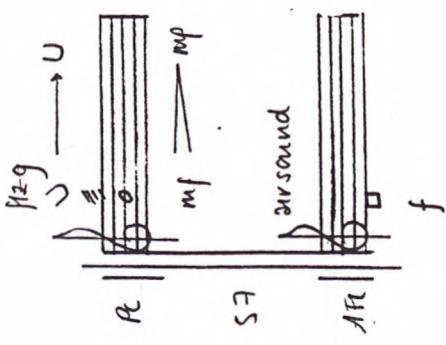
Rc | 

mp
→ p

54
↓
mf
↑
f

An | 

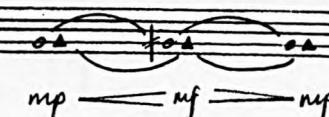
p

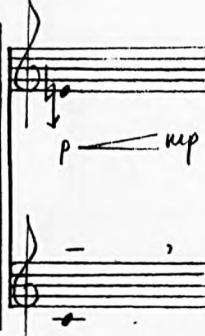


playing and singing

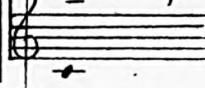
Pc | 

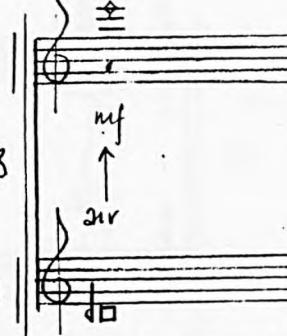
61. ,
mf
playing and singing

Af | 
mp — mf — mp

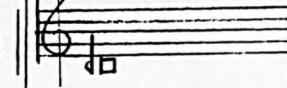
Pc | 

62. p — mp

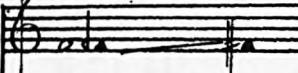
Af | 
p — mp

Pc | 

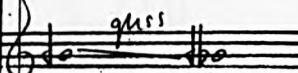
63. mf
air

Af | 
ff — mp

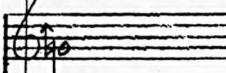
playing and singing

Pc | 

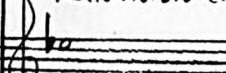
64. mf

Af | 
f — mf

molto vibrato (microglissandos)

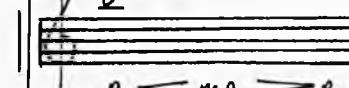
Pc | 

65. p

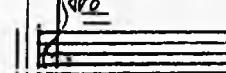
Af | 
p

molto vibrato (microglissandos)

f2 g

Pc | 

66. p — mp — p

Af | 
p — mp

f2 g

Pc

67

AFl

f ff

playing and singing

Pc

68

AFl

mp mf

air sound

Pc

69

AFl

f mp

vib (instrument)

Pc

70

AFl

p mp p

tongue ram.

Pc

71

AFl

ff f

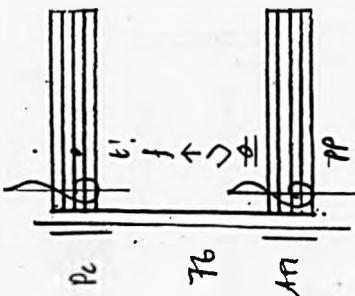
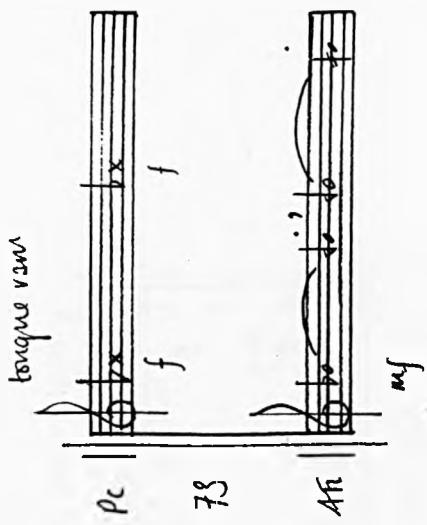
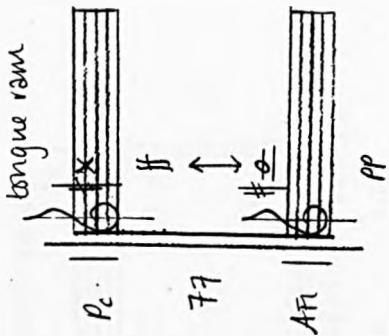
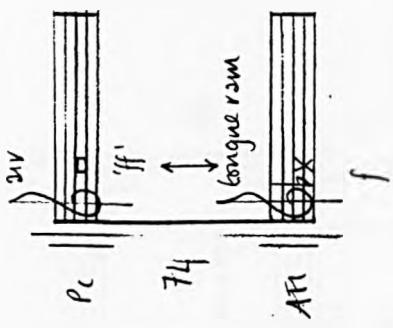
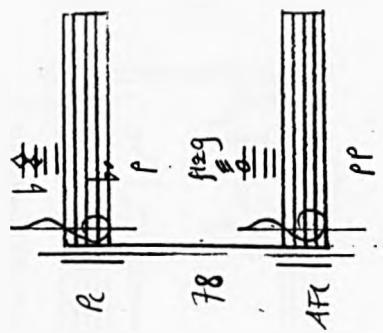
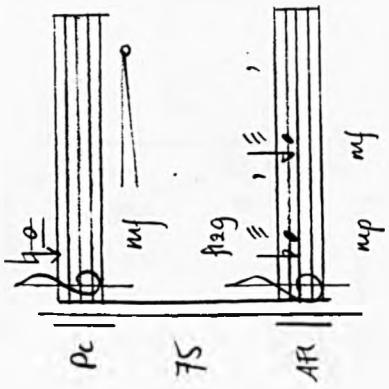
key clicks

Pc

72

AFl

ff f



A handwritten musical score for two parts: 'Pc' and '7g'. The 'Pc' part has a dynamic of 'ff' and a tempo of 'tongue ram'. The '7g' part has a dynamic of 'f' and a tempo of 'air'.

A handwritten musical score page featuring two staves. The top staff is labeled "Pc" and has a tempo marking of $\text{J}=182$. It includes dynamics "f" and "ff", and a performance instruction "tongue ram". The bottom staff is labeled "APC" and also has a tempo marking of $\text{J}=182$. It includes dynamics "f", "ff", and "f", and a performance instruction "tongue ram". Both staves have a key signature of one sharp and a common time signature. Measure numbers 80 and 81 are indicated on the left side.

vib(instrument)

p

Pc

mf

f

82

mf

f

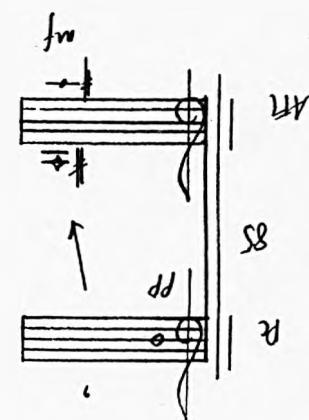
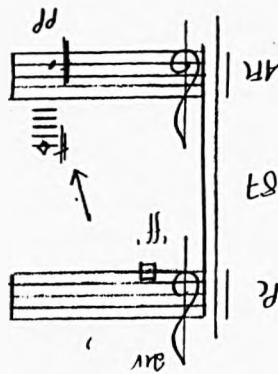
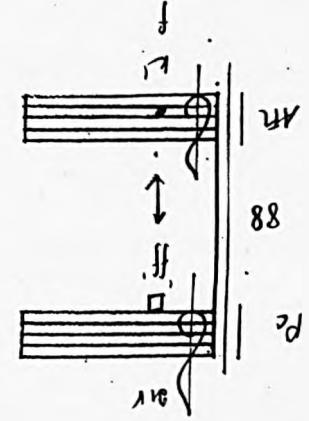
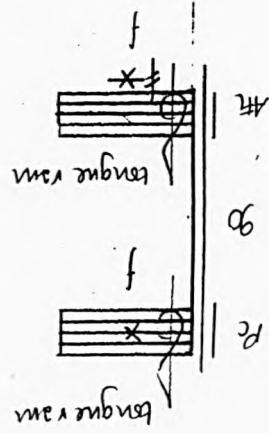
Pc molto vibrato (micro glissandos)

83

1 Fl

PC | mp p
 AFI | sfz mf

playing and singing



Pc | molto vibrato (instrument)
[microglissando]

91 |

Pc |

91 | P

A Fl | molto vibrato (instrument)
[microglissando]

A Fl | P

Pc | playing and singing

92 |

Pc |

92 | mp — P

A Fl | molto vibrato (instrument)
[microglissando]

A Fl | mp