Giorgio Tedde

Bòreo

für Blockflöten, Schlagzeug
und live electronic

Meister Musica • Bern

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BÒREO

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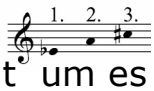
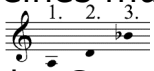
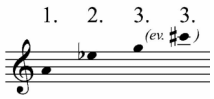
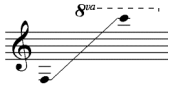
Blockflöte (Sopranin, Tenor und Kontrabass) 1 Spieler

Schlagzeug 1 Spieler
2 Triangel (groß und klein)
1 Wind Chimes
1 Cow Bell (groß)
1 Wind Gong
3 Crotalen: (Es, A, Cis) 

3 Becken (eines muß befestigt um es mit dem Kontrabaßbogen zu spielen)
3 Gongs 

3 Chinesische Gongs 

1 Kleine Maracas
1 Vibraslap (es muß an einer Stative befestigt werden)
1 Guiro
1 Holzblock
2 Bongos
3 Tom
2 Congas
1 Große Trommel mit Pedal
1 Xylophon 

Elektronik durch ein MAX/MSP Patch 1 Spieler
Wichtigste angewandte Prozesse:

Pitch Shifter (bis 10 verschiedene Transpositionen)
Pitch Shifter von der Dynamik gesteuert (Envelope Follower, mit zwei Transpositionen)
Echtzeit Time Stretching (bis 30 mal langsamer mit gleicher Höhe)
Resonatoren (String Modeller)
Ringmodulation
Delay (bis 4 Kanäle)
Panning
Feedback

Klangtechnik
2 Mikrophone (Nieren- und Hypernierencharakteristik,
z. B. AKG CK91 und CK93 auf SE300B Körper)
Mixer 8 Kanäle
2 Mikrophoneingänge
2 Aux mit prefade

Beschallung mit entsprechenden Kabeln und Stativen

MIDI Kontroller (Behringer BCF 2000)
Laptop mit Audiokarte (z. B. Apple Titanium 1GHz)
Max/MSP Runtime (free download)

DETAIL DER ELEKTRONIK

INPUT – OUTPUT, PATCHES, PRESETS

INPUT 1 (BLOCKFLÖTE)	INPUT 2 (SCHLAGZEUG)	TAKT	MATRIX PRESET	PATCHES IN 1	PATCHES IN 2
	TIME STRETCHING	1	1		LiveGran
	TIME STRETCHING	4			
ENV FOLLOWER	TIME STRETCHING	9	2	EnvShift	LiveGran
ENV FOLLOWER	TIME STRETCHING	14			
ENV FOLLOWER	TIME STRETCHING	21			
PITCH SHIFT (1 – 14)		26	3	10ShiftDel	LiveGran
PITCH SHIFT (16 – 21)	TIME STRETCHING	28			
PITCH SHIFT (22 – 25)		29			
PITCH SHIFT (26)		32			
ENV FOLLOWER		33	4	EnvShift	LiveGran
		36	5	10ShiftDel	LiveGran
PITCH SHIFT (16 – 21)	TIME STRETCHING	37			
PITCH SHIFT (22 – 25)		38			
PITCH SHIFT (26)		42			
PITCH SHIFT (27 – 36)	TIME STRETCHING	45			
PITCH SHIFT (37 – 46)		51			
PITCH SHIFT (47)		53			
STR. MOD (PHASER)	TIME STRETCHING	55	6	ModDel	LiveGran
ENV FOLLOWER	TIME STRETCHING	61	7	EnvShift	LiveGran
ENV FOLLOWER	TIME STRETCHING	63			
ENV FOLLOWER	TIME STRETCHING	64			
PITCH SHIFT (47 – 53)		68	8	10ShiftDel	LiveGran
PITCH SHIFT (53 – 55)		69			
PITCH SHIFT (56)		71			
PITCH SHIFT (57 – 60)		76			
PITCH SHIFT (61 – 65)		78			
PITCH SHIFT (66)		79			
	TIME STRETCHING	80	9		LiveGran
	TIME STRETCHING	88			
	2 SHIFTER ON (detune)	91	10	Shift 1&2 + RM	Shift 1&2 LiveGran
2 SHIFTER ON (detune)		94			
RINGMODULATOR		97			
RINGMODULATOR		98			
RINGMODULATOR		99			
shift crescendo	shift crescendo	100			
RINGMODULATOR		103			
	TIME STRETCHING	104			
shift = 300	shift = 300	110			
RINGMODULATOR	RINGMODULATOR	111	11	Shift 1&2 + RM ModDel	Shift 1&2 + RM
(VERSTÄRKT!)		116/8			
Gliss. Ringmodulatorfreq.	Gliss. Ringmodulatorfreq.	117			
shift = detune	shift = detune	118			
PHASER		119			
shift & phaser crescendo	shift crescendo	119/43			
RINGMODULATORcresc	RINGMODULATORcresc	144/60			
2SHIFTER & PHASER OFF	2 SHIFTER OFF	146			
Gliss. Ringmodulatorfreq.	Gliss. Ringmodulatorfreq.	159			

ENV FOLLOWER	TIME STRETCHING	161	12	EnvShift	LiveGran
	TIME STRETCHING	168			
	TIME STRETCHING	169			
		173	13	EnvShift & RM	EnvShift LiveGran
	TIME STRETCHING	175			
	TIME STRETCHING	176			
ENV FOLLOWER	ENV FOLLOWER	176			
ENV FOLLOWER	ENV FOLLOWER	181			
	TIME STRETCHING	186			
	TIME STRETCHING	188			
ENV FOLLOWER	ENV FOLLOWER	188			
	TIME STRETCHING	192			
ENV FOLLOWER	ENV FOLLOWER	192			
	TIME STRETCHING	195			
ENV FOLLOWER	ENV FOLLOWER	195			
RINGMODULATOR	TIME STRETCHING	198/04			
ENV FOLLOWER	ENV FOLLOWER	198/05			
	TIME STRETCHING	210			
	TIME STRETCHING	215			
ENV FOLLOWER	ENV FOLLOWER	215			
	TIME STRETCHING	217			
ENV FOLLOWER	ENV FOLLOWER	217/27			
	PHASER	228/33	14	EnvShift	LiveGran ModDel
	TIME STRETCHING	234			
ENV FOLLOWER		235/38			
	PHASER	236/38			
ENV FOLLOWER	PHASER	241/60			
	TIME STRETCHING	247			
	TIME STRETCHING	261	15	EnvShift Delay 1	LiveGran Delay 2
ENV FOLLOWER		261/92			
DELAY + FEEDBACK	DELAY + FEEDBACK	261/2			
	TIME STRETCHING	266			
	TIME STRETCHING	271			
DELAY + FEEDBACK	DELAY + FEEDBACK	272			
DELAY + FEEDBACK	DELAY + FEEDBACK	277/8			
DELAY + FEEDBACK	DELAY + FEEDBACK	282/3			
	TIME STRETCHING	291			

DETAIL UND WERTE DER PRESETS

PITCH SHIFT1 4X

1	2	3	4	5	6	7	8	9	10	PRESET VOL/PAN
									0	1
+1									0	2
+1	+3								0	3
+1	+3	+5							0	4
+1	+3								0	5
+1			-1						0	6
			-1	-3					0	7
			-1	-3	-5				0	8
				-3	-5	-8			0	9
					-5	-8	-10		0	10
						-8	-10	-12	0	11
							-10	-12	0	12
								-12	0	13
								-12		14

PITCH SHIFT2 10X

									0	16
-1									0	17
-1	-3								0	18
-1	-3	-5							0	19
-1	-3	-5	-8						0	20
-1	-3	-5	-8	-10					0	21
-1	-3	-5	-8	-10	-15				0	22
-1	-3	-5	-8	-10	-15	-19			0	23
-1	-3	-5	-8	-10	-15	-19	-20		0	24
-1	-3	-5	-8	-10	-15	-19	-20	-27	0	25

PITCH SHIFT3 10X

									0	26
-1									0	27
-1	-3								0	28
-1	-3	-4							0	29
-1	-3	-4	-8						0	30
-1	-3	-4	-8	-9					0	31
-1	-3	-4	-8	-9	-16				0	32
-1	-3	-4	-8	-9	-16	-19			0	33
-1	-3	-4	-8	-9	-16	-19	-20		0	34
-1	-3	-4	-8	-9	-16	-19	-20	-27	0	35
	-3	-4	-8	-9	-16	-19	-20	-27	0	36
		-4	-8	-9	-16	-19	-20	-27	0	37
			-8	-9	-16	-19	-20	-27	0	38
				-9	-16	-19	-20	-27	0	39
					-16	-19	-20	-27	0	40
						-19	-20	-27	0	41
							-20	-27	0	42
						-19		-27	0	43
						-19	-20	-27	0	44
							-20	-27	0	45
						-19	-20	-27	0	46

PITCH SHIFT4 4X

				0	47
+1				0	48
+1	-5			0	49
+1	-5	-6		0	50
+1	-5	-6	-12	0	51
	-5	-6	-12	0	52
		-6	-12	0	53
			-12	0	54
					55

				0	57
+1				0	58
+1	-5			0	59
+1	-5	-6		0	60
+1	-5	-6	-12	0	61
	-5	-6	-12	0	62
		-6	-12	0	63
			-12	0	64
			-12		65
					66

Bòreo

Giorgio Tedde

Liberamente ♩ = 60

Pitch Shift
SOPRANIN Blockflöte
Stimme
Triangel 1+2
Wind Chimes
Cow Bell
Wind Gong/Met. Platte
Crotalen
Becken
Chin. Gong
Gong
little Maracas
Vibraslap
Guiro
Holzblock
Bongos
Tom 1-2-3
Conga
Große Trommel
Xylophon
Blockflöte
Electronics
Schlagzeug

ripete ad lib. *ripete ad lib.*

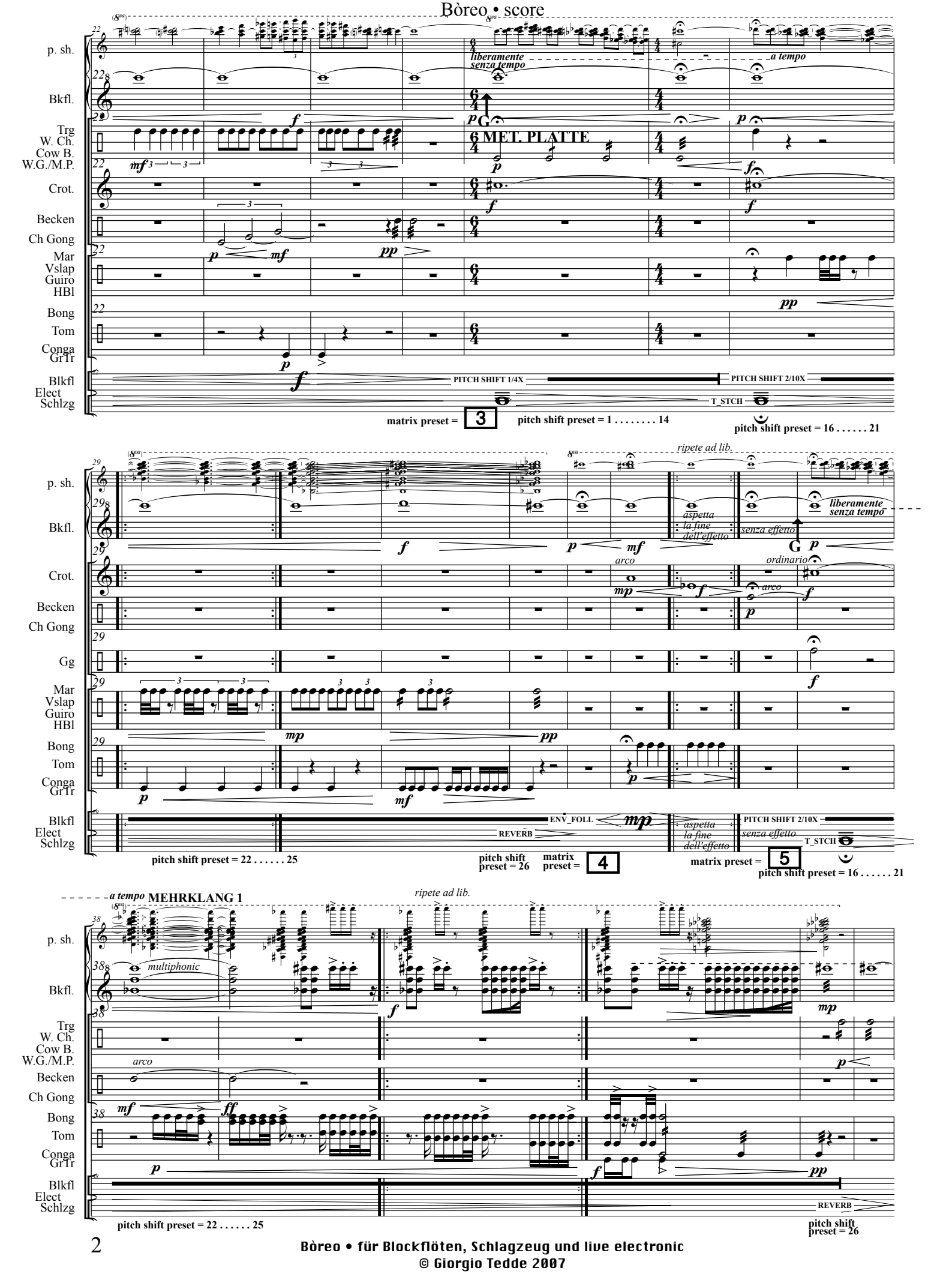
TIME STRETCHING TIME STRETCHING

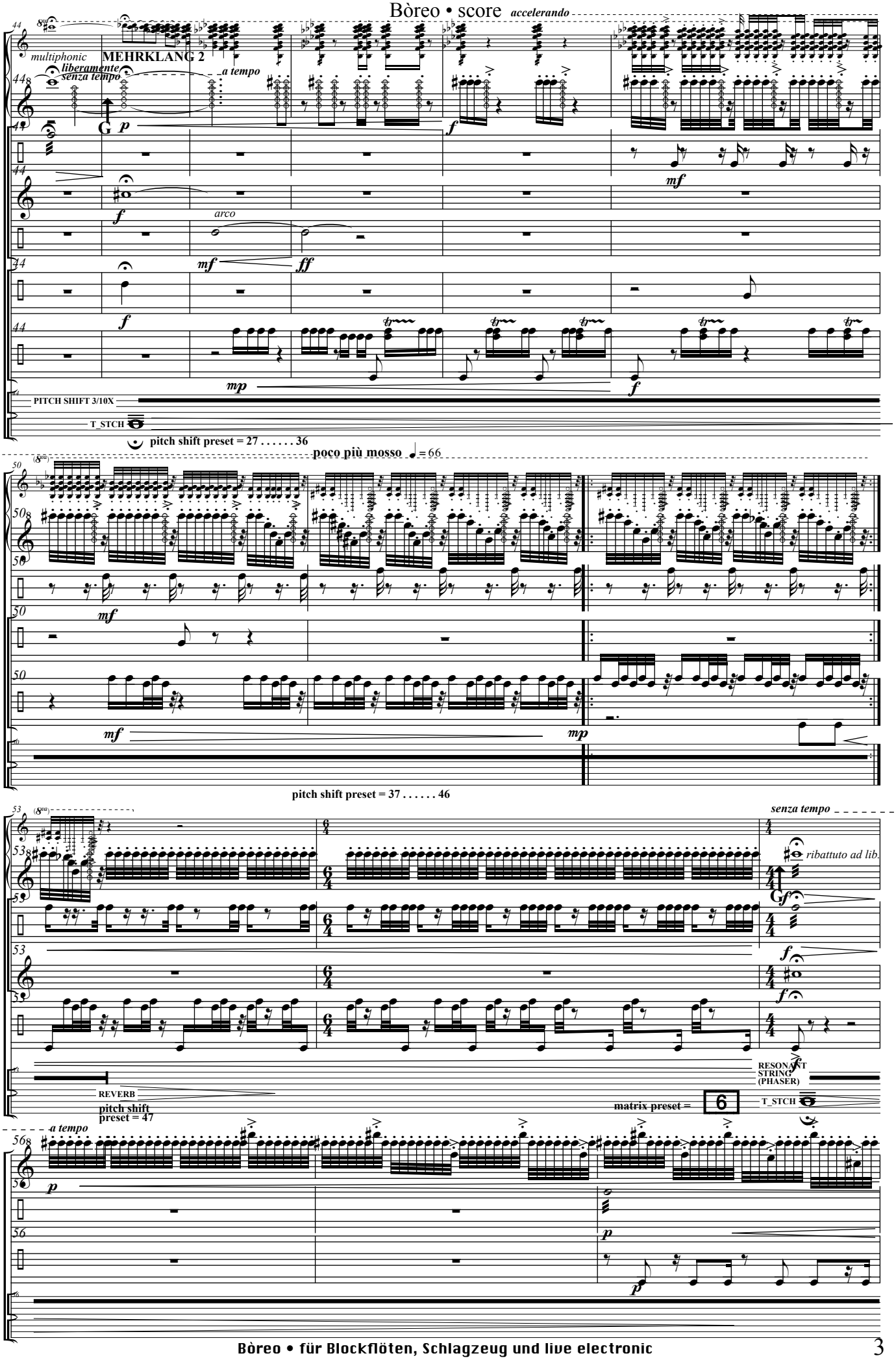
matrix preset = 1 matrix preset = 2

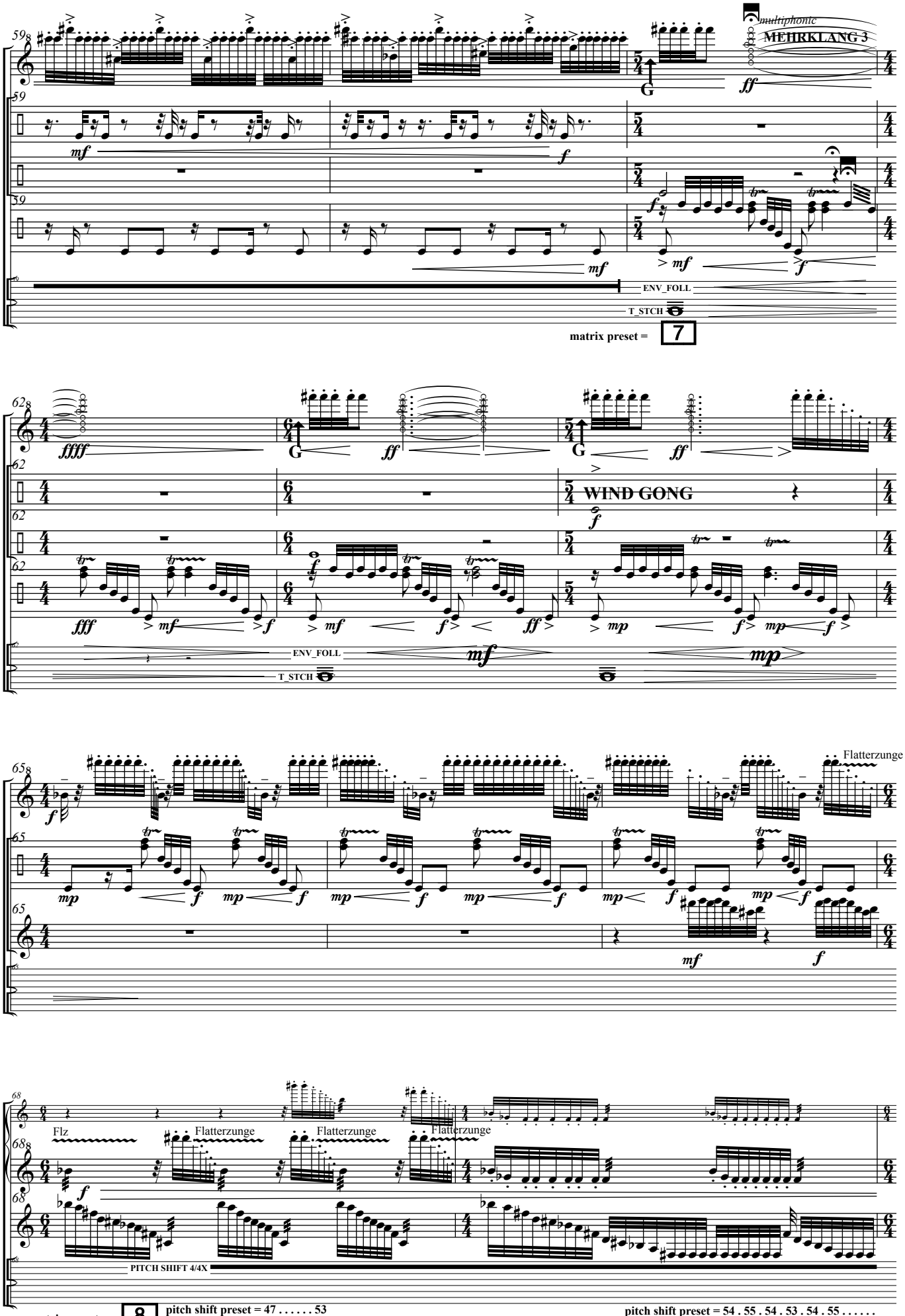
p. sh.
Bkfl.
Trg
W. Ch.
Cow B.
W.G./M.P.
Crot.
Becken
Ch Gong
Gg
Bong
Tom
Conga
Gr1r
Blkfl
Elect
Schlzg

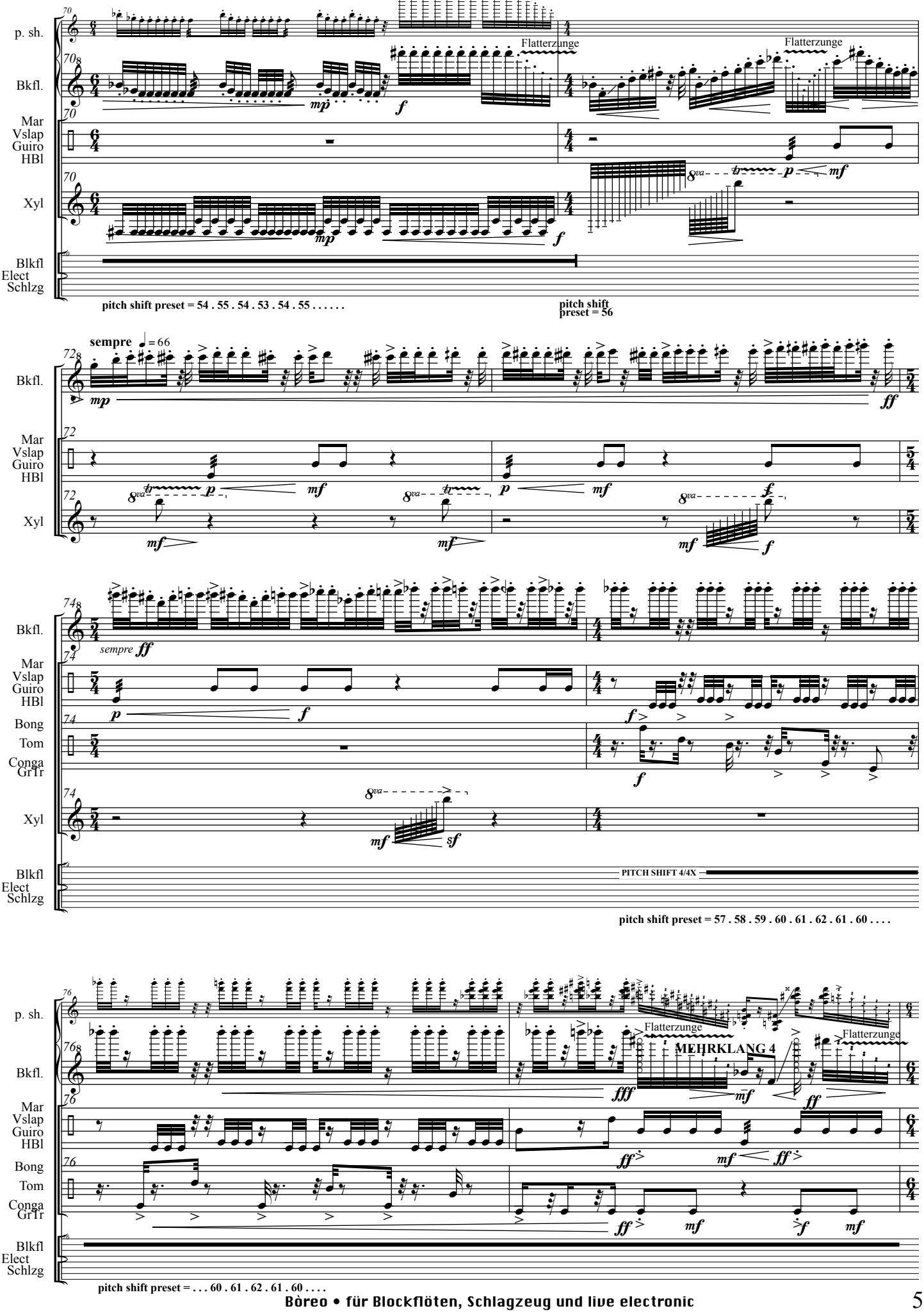
MET. PLATTE

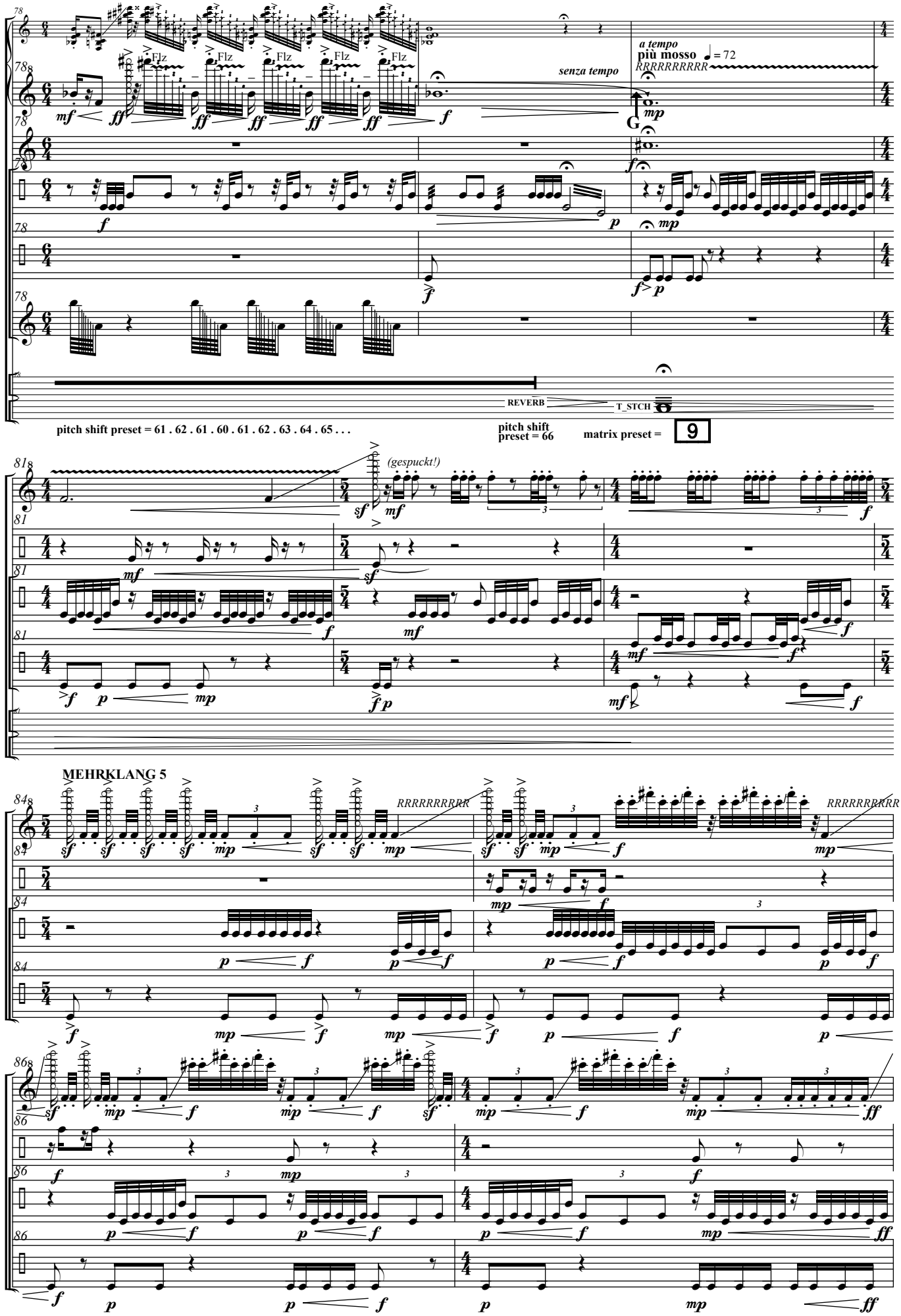
ENVELOPE FOLLOWER

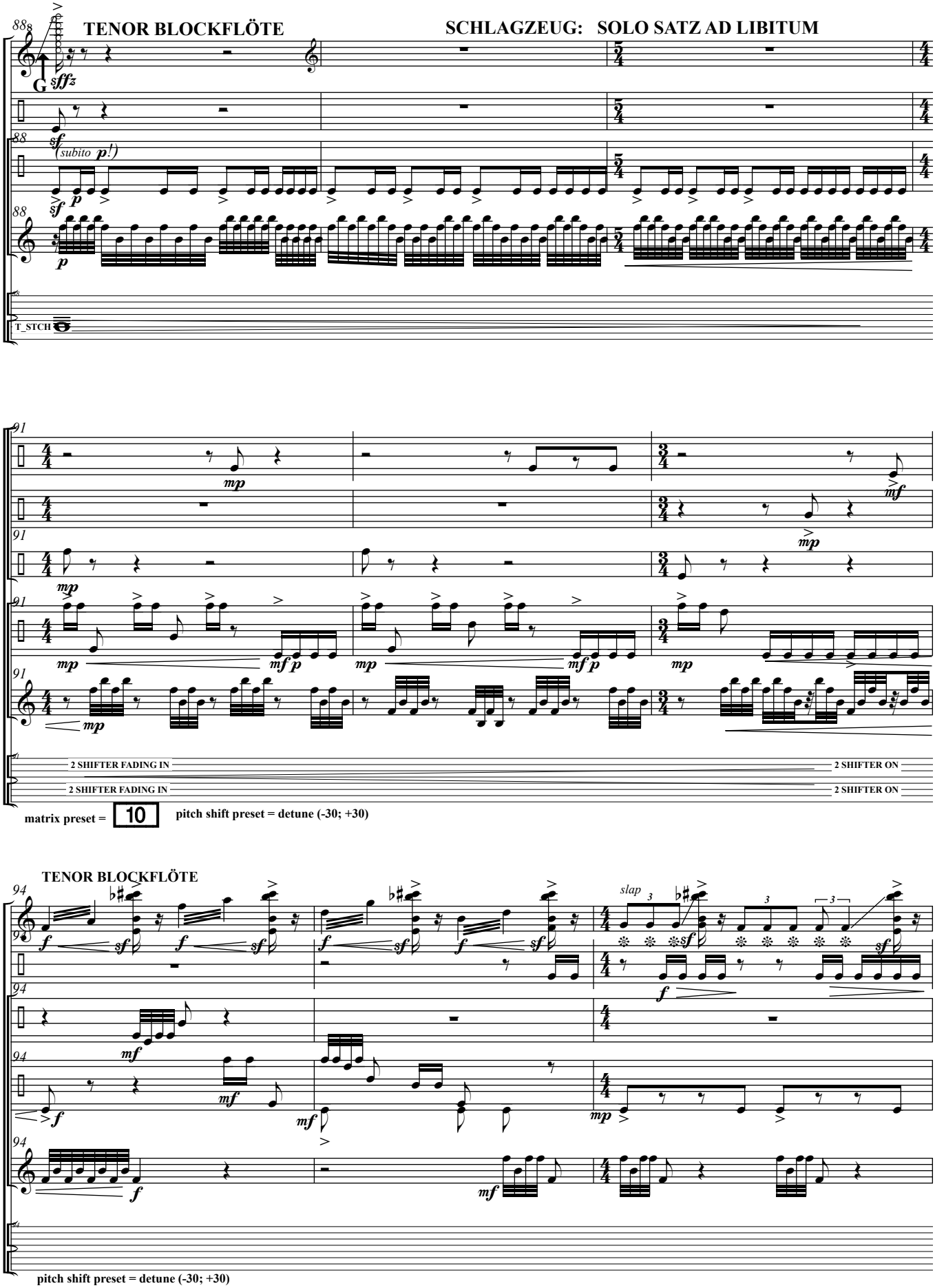


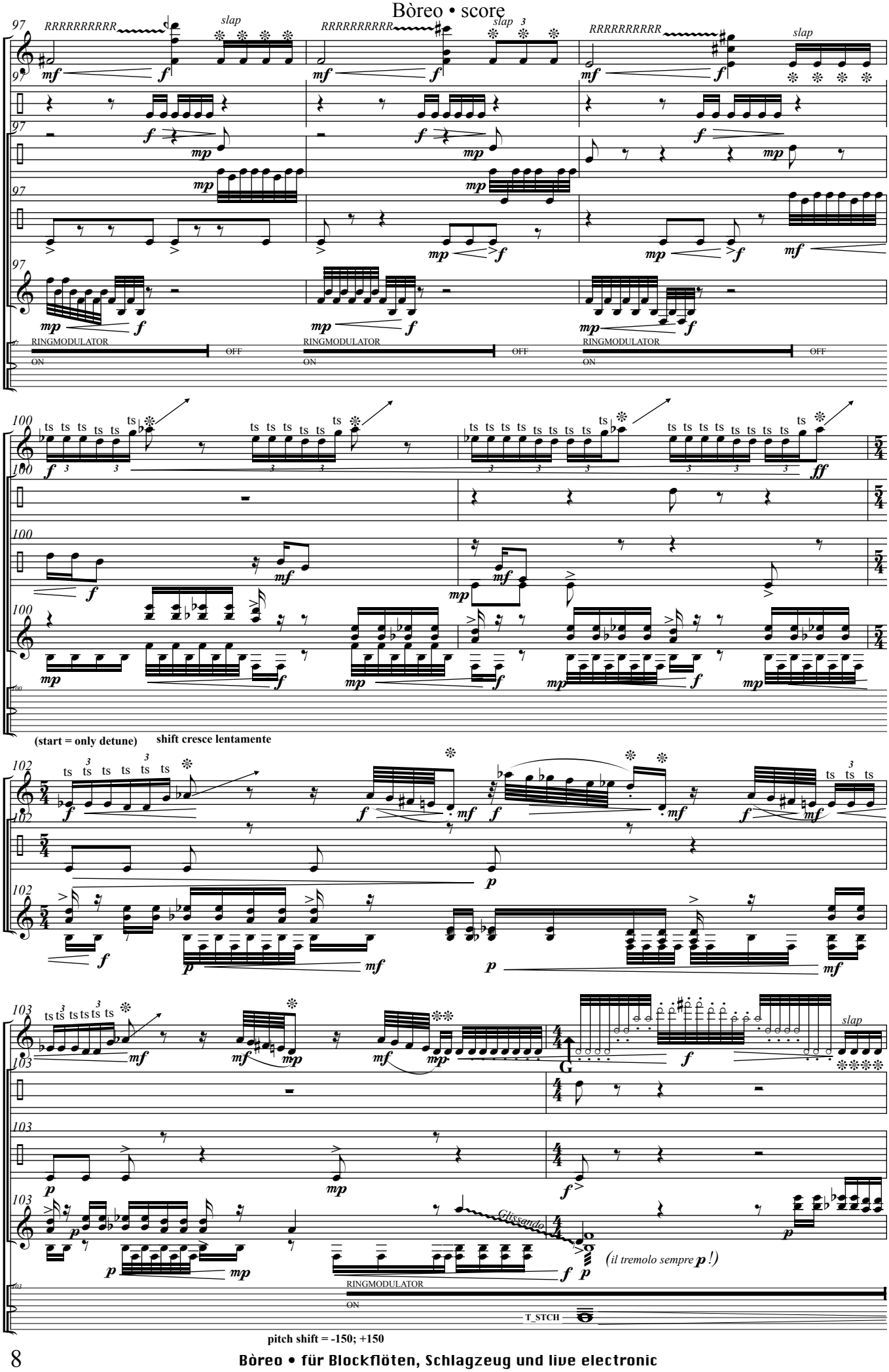


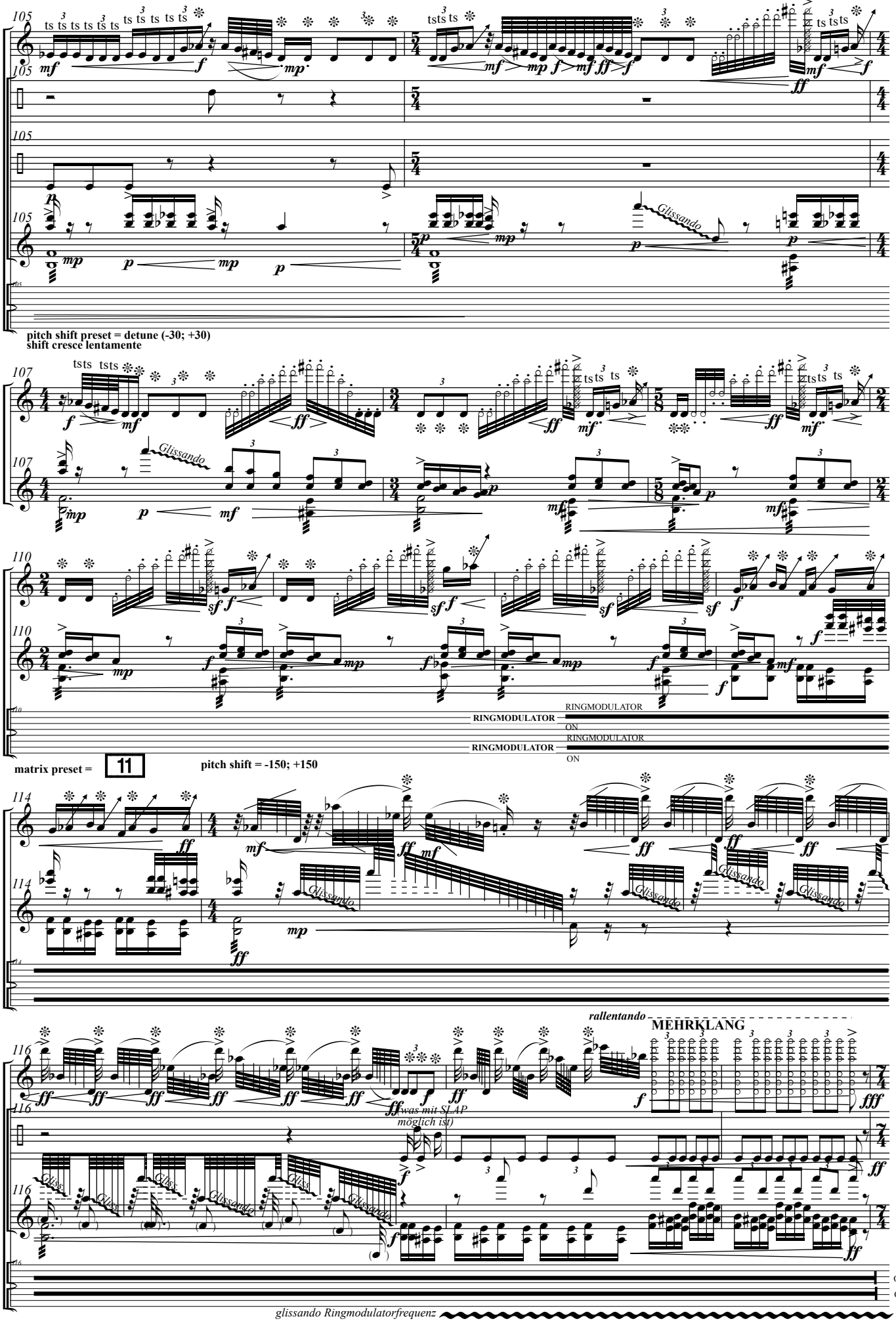


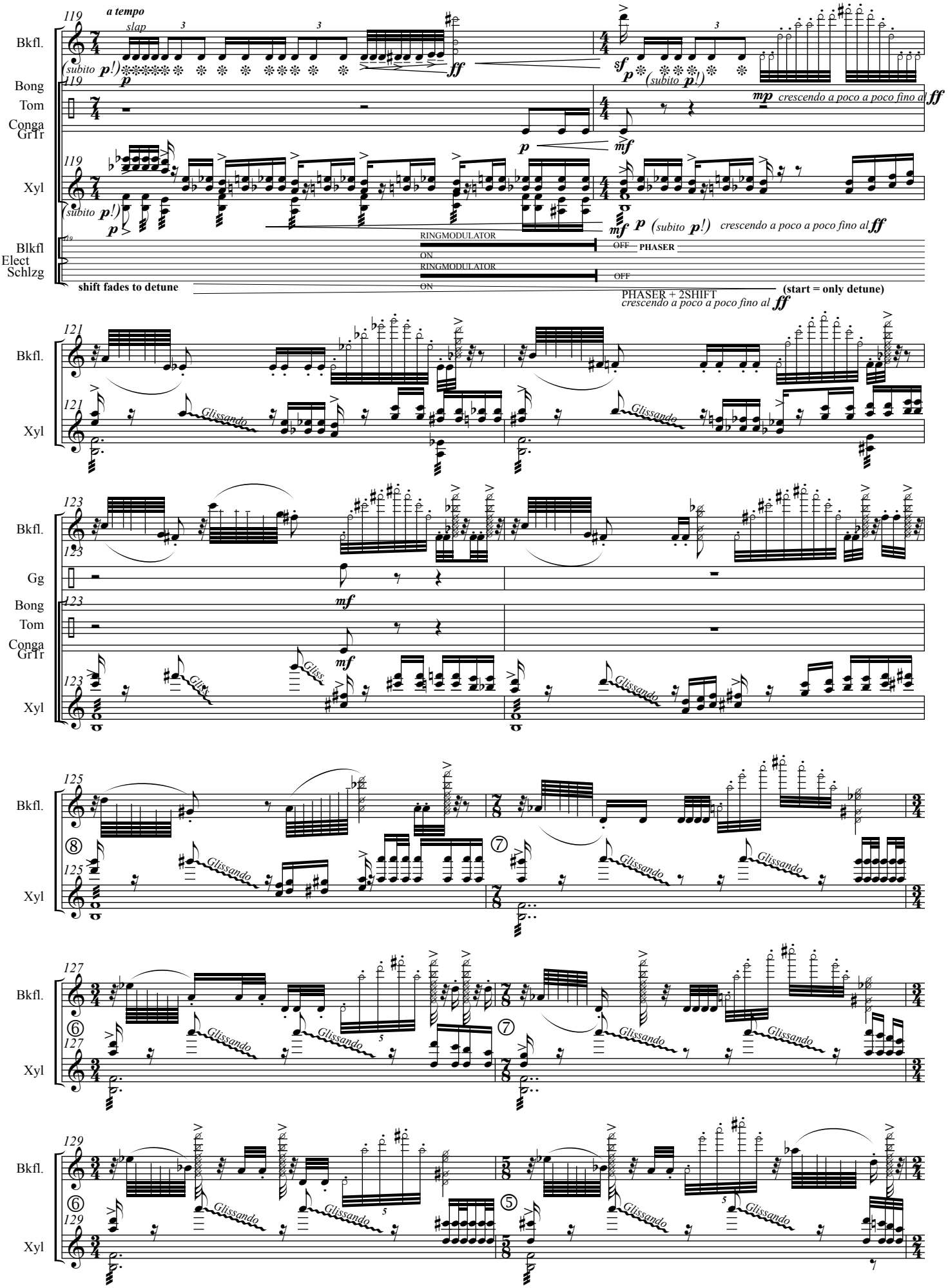


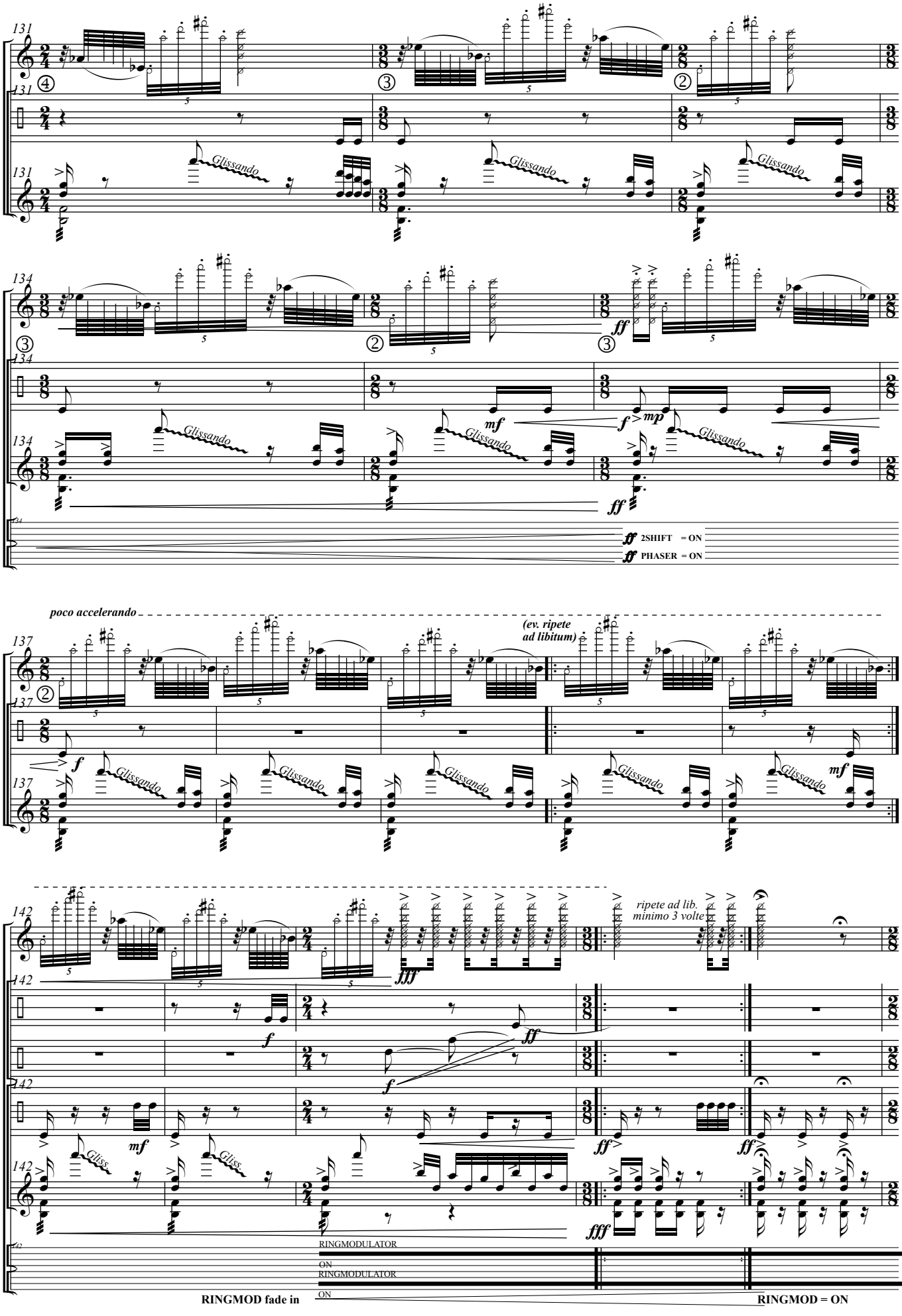


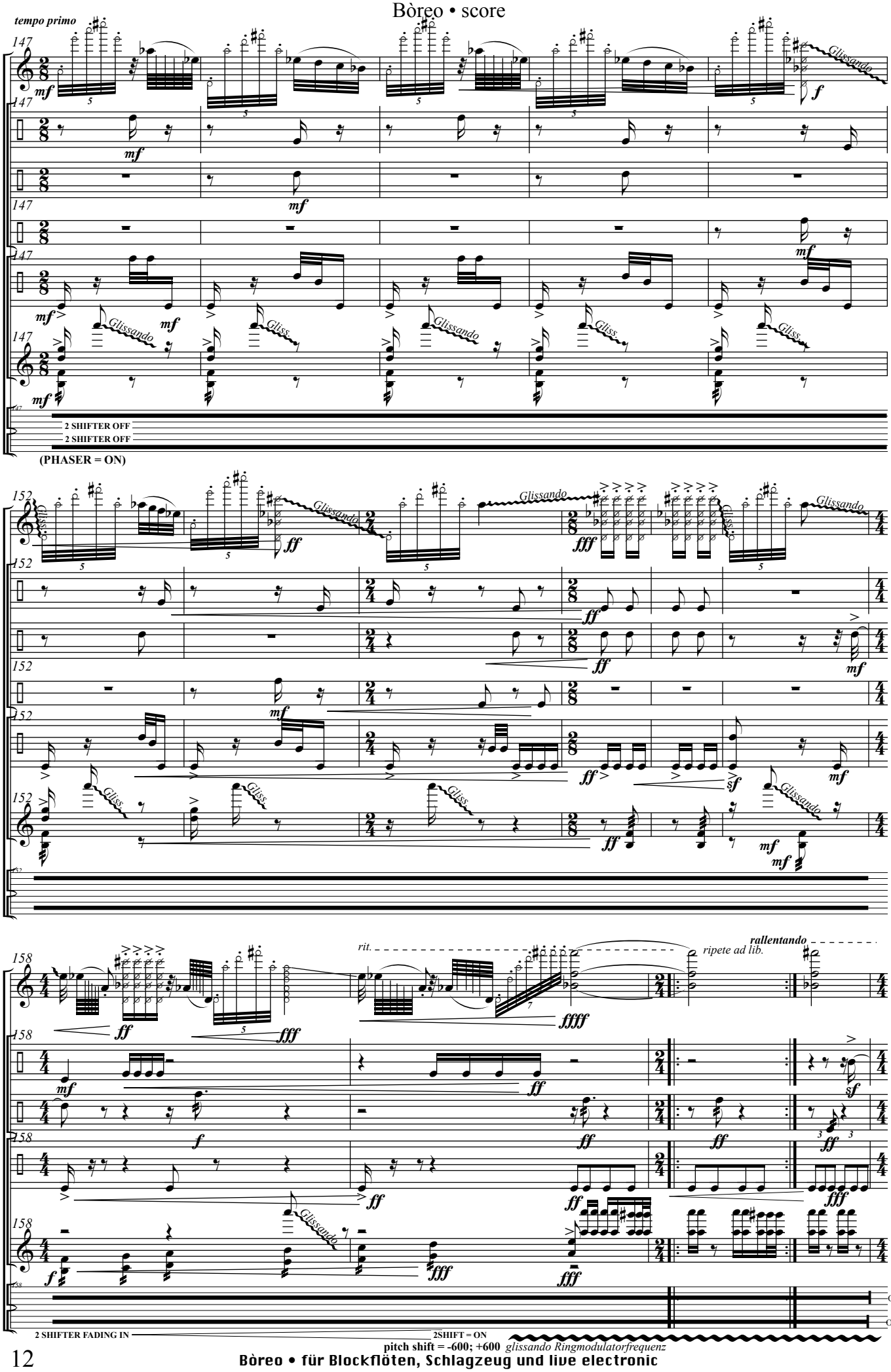

TENOR BLOCKFLÖTE
SCHLAGZEUG: SOLO SATZ AD LIBITUM
Bkfl.
Becken
Ch Gong
Bong
Tom
Conga
GrTr
Xyl
Blkfl
Elect
Schlzg
T_STCH
(subito p!)
Trg
W. Ch.
Cow B.
W.G./M.P.
Gg
2 SHIFTER FADING IN
2 SHIFTER ON
matrix preset =
10
pitch shift preset = detune (-30; +30)
TENOR BLOCKFLÖTE
slap
Mar
Vslap
Guiro
HBl
pitch shift preset = detune (-30; +30)

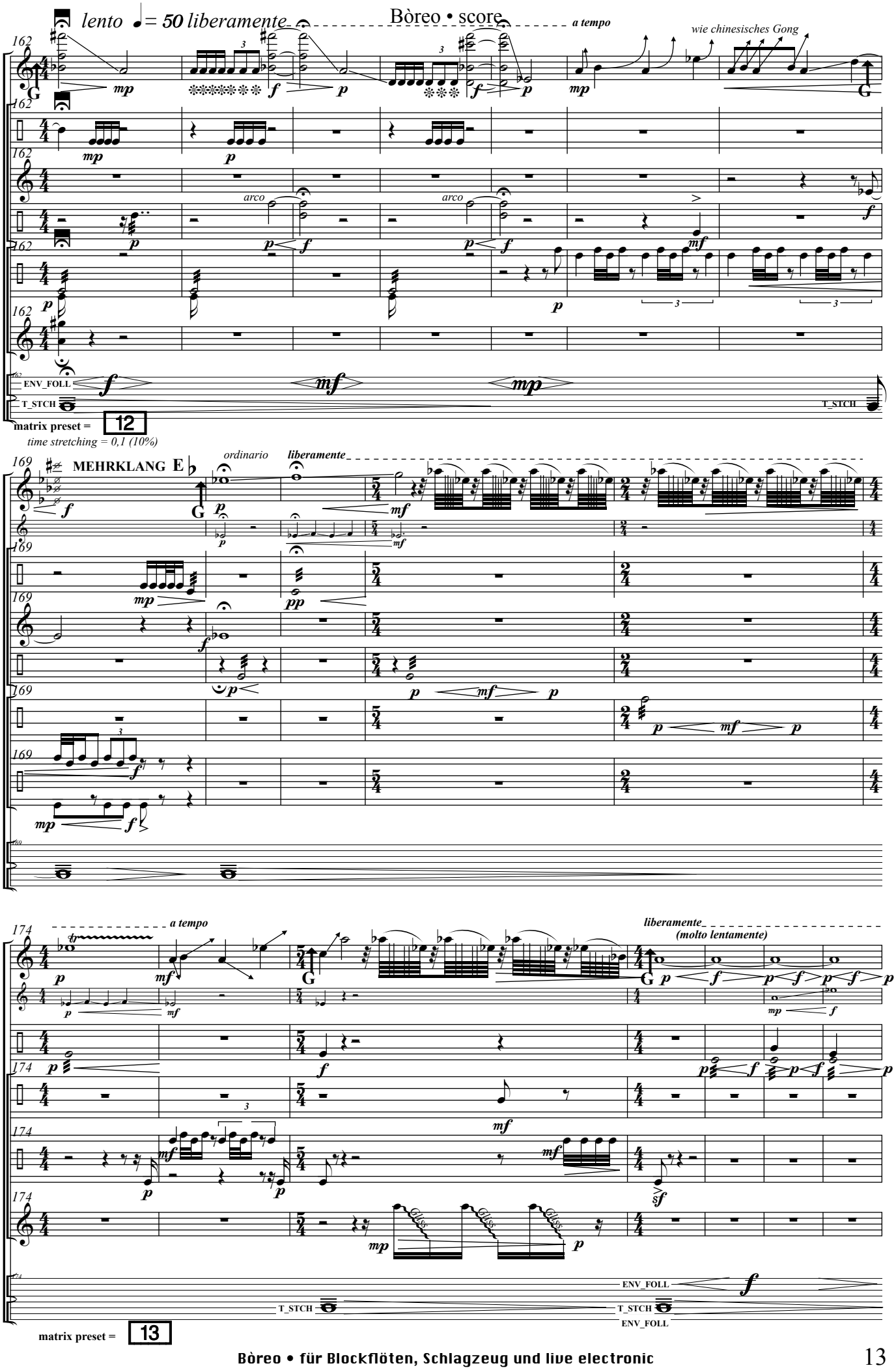


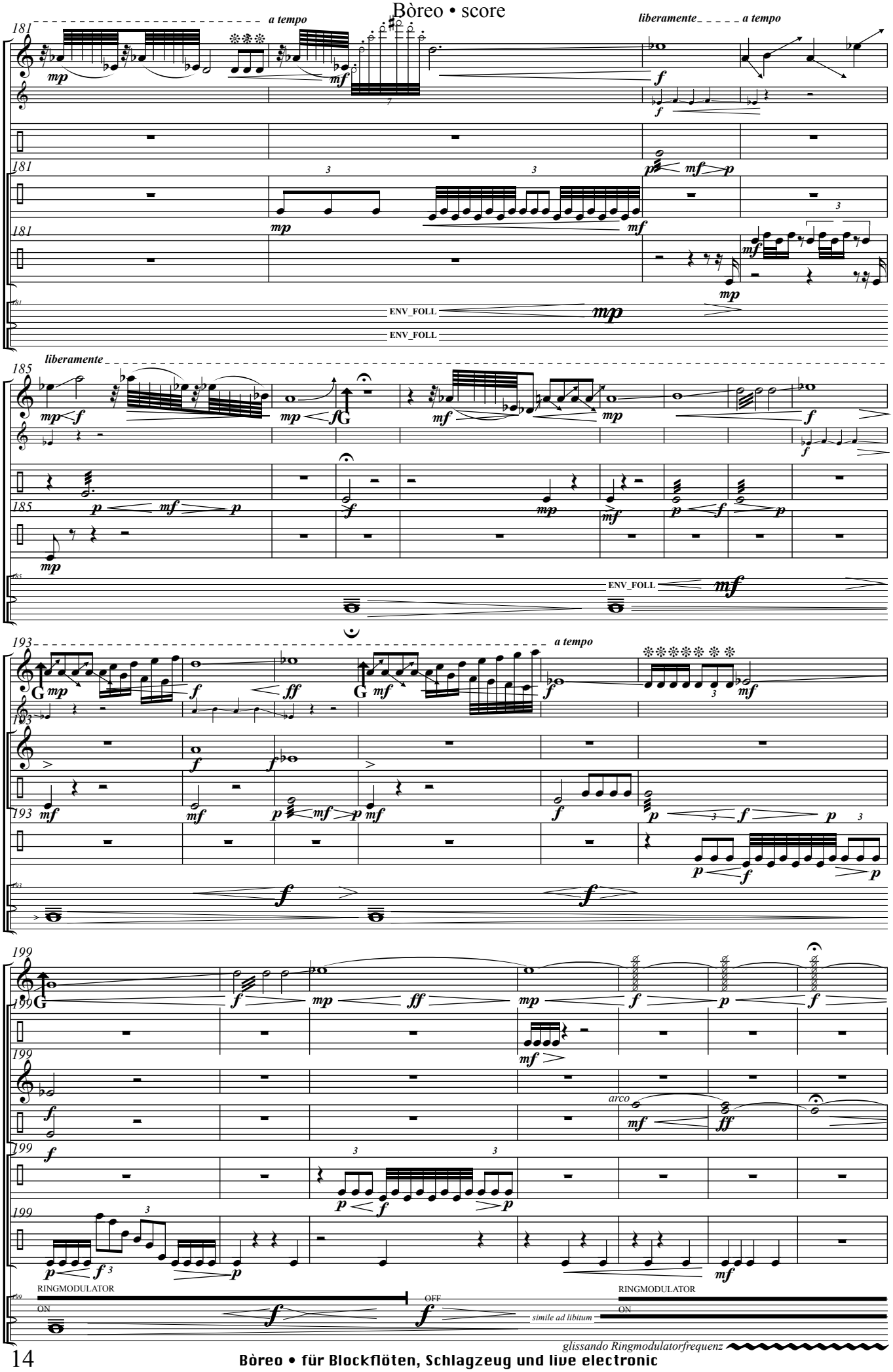

105
Bkfl.
Mar
Vslap
Guiro
HBl
Bong
Tom
Conga
GrTr
Xyl
Blkfl
Elect
Schlzg
Glissando
pitch shift preset = detune (-30; +30)
shift cresce lentamente
107
110
RINGMODULATOR
ON
matrix preset =
11
pitch shift = -150; +150
114
rallentando
MEHRKLANG
116
was mit SLAP
möglich ist)
OFF
glissando Ringmodulatorfrequenz

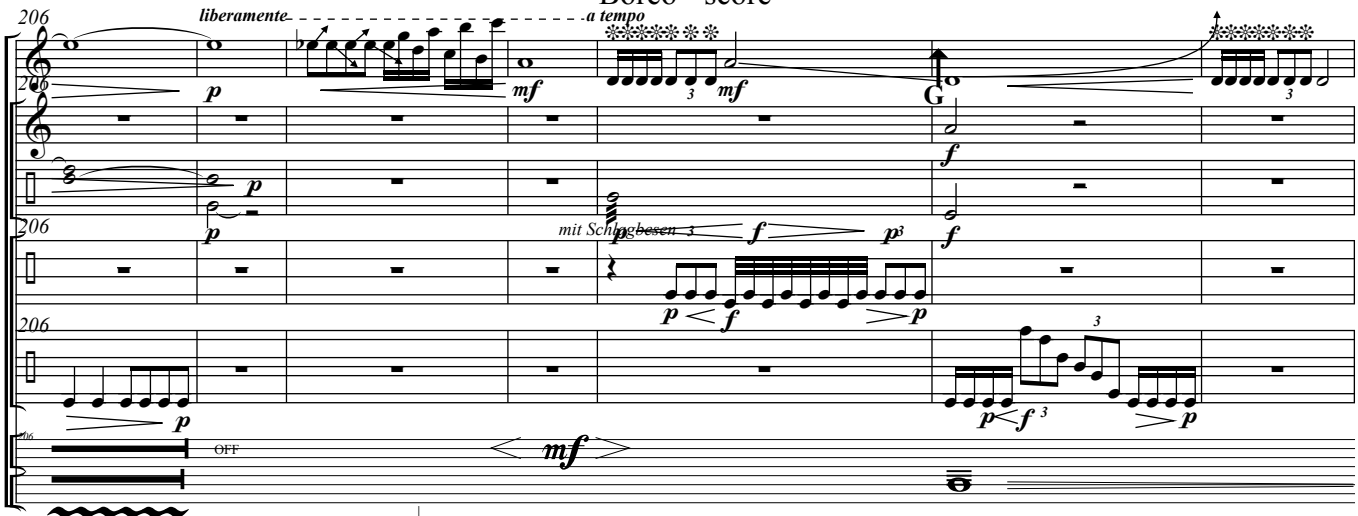


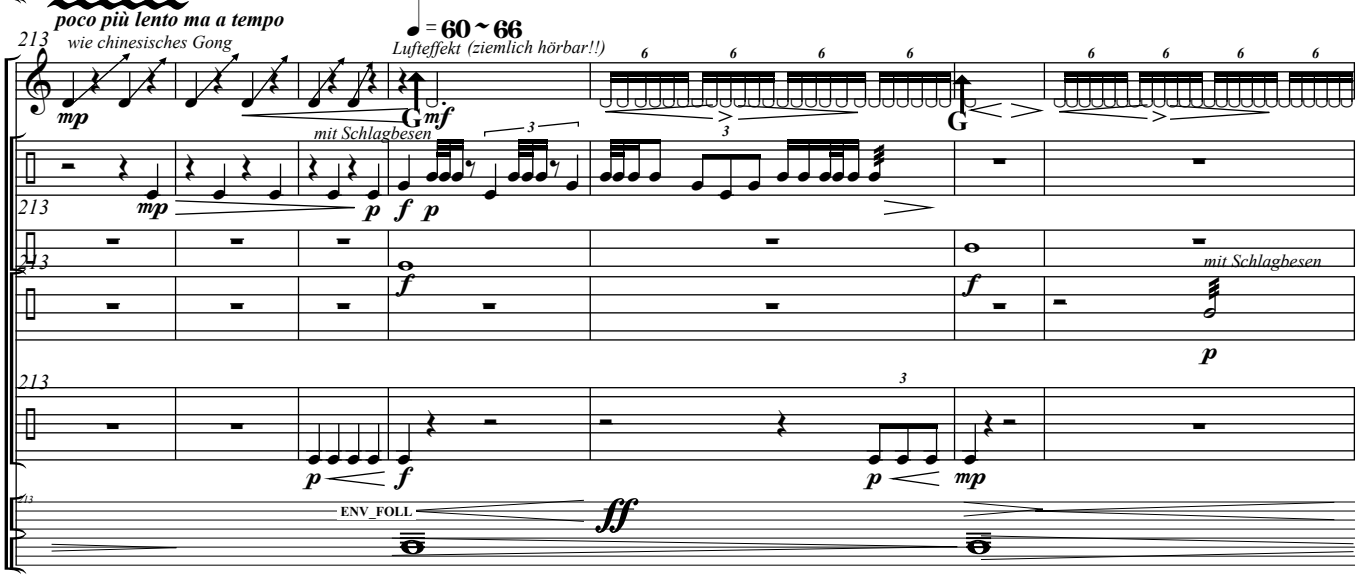


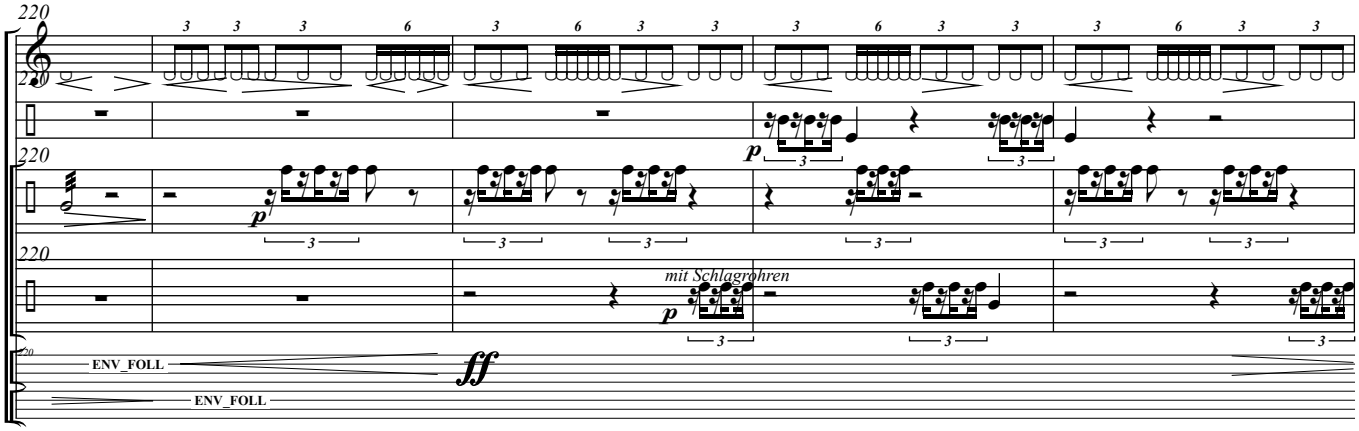




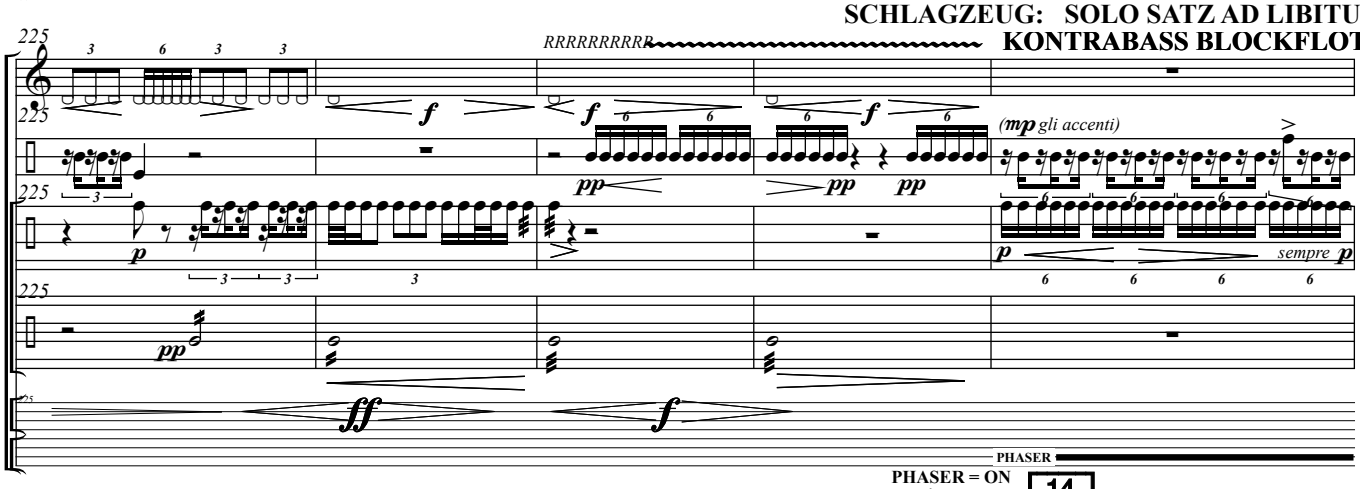




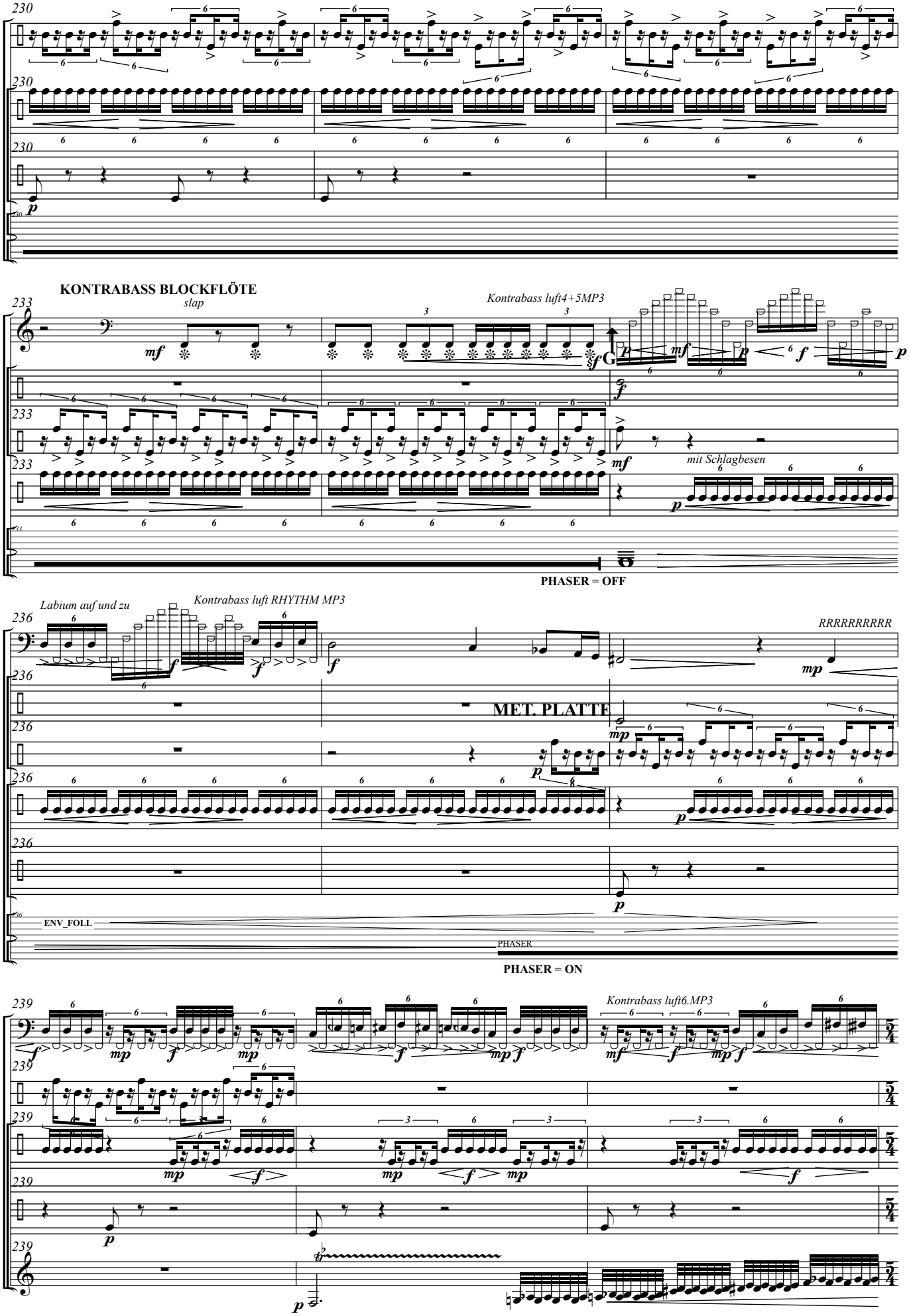


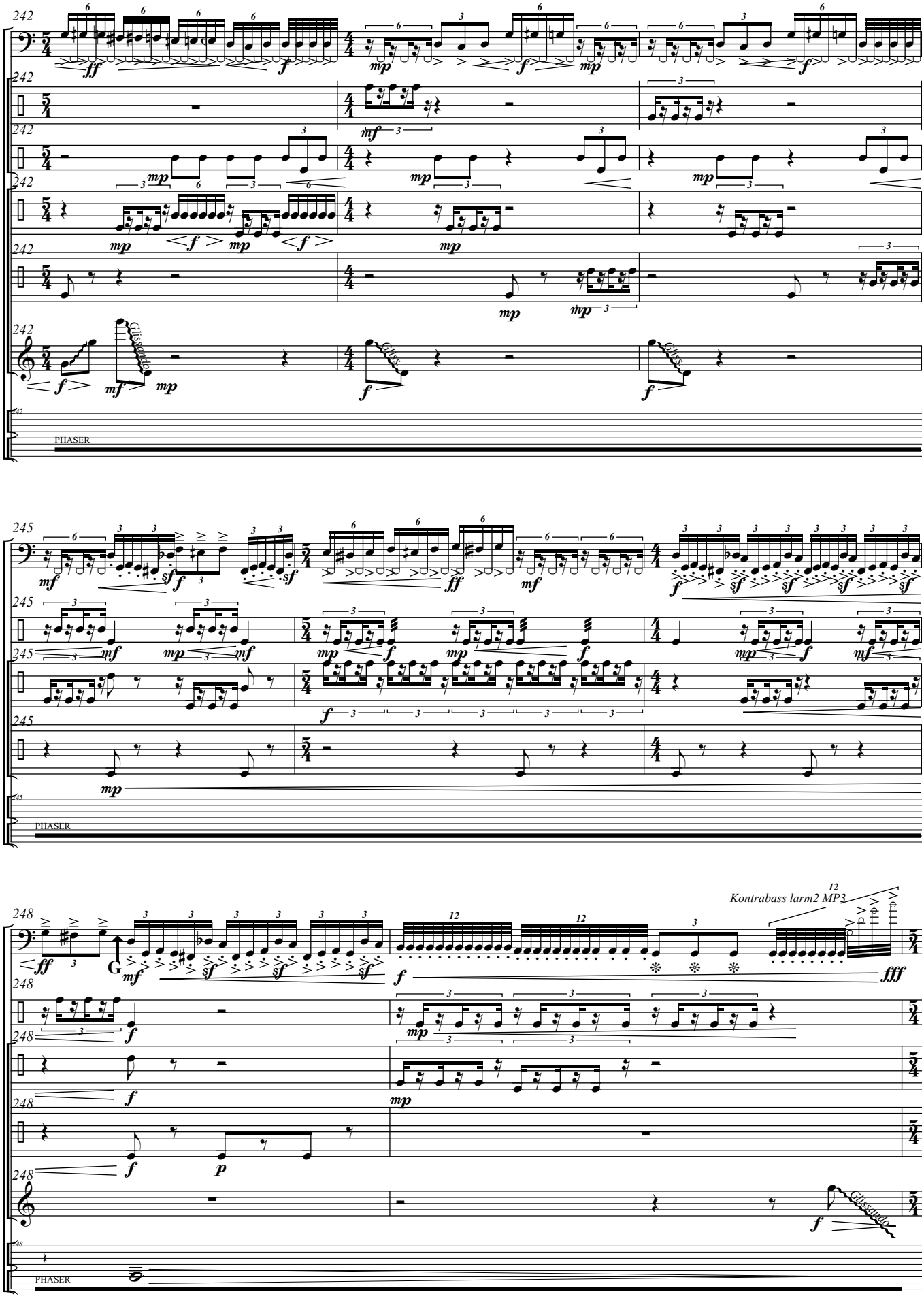


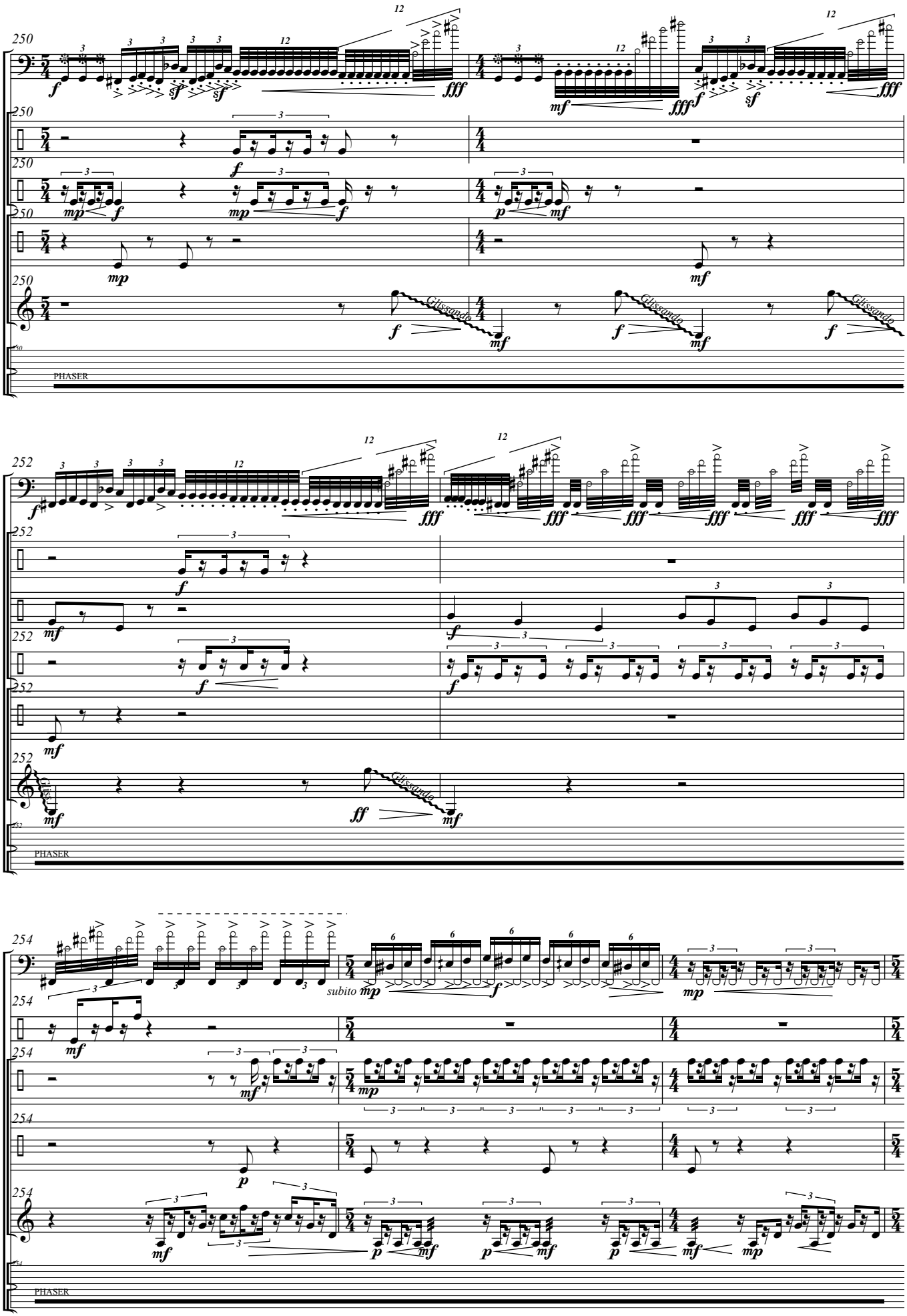
SCHLAGZEUG: SOLO SATZ AD LIBITUM
KONTRABASS BLOCKFLOTE

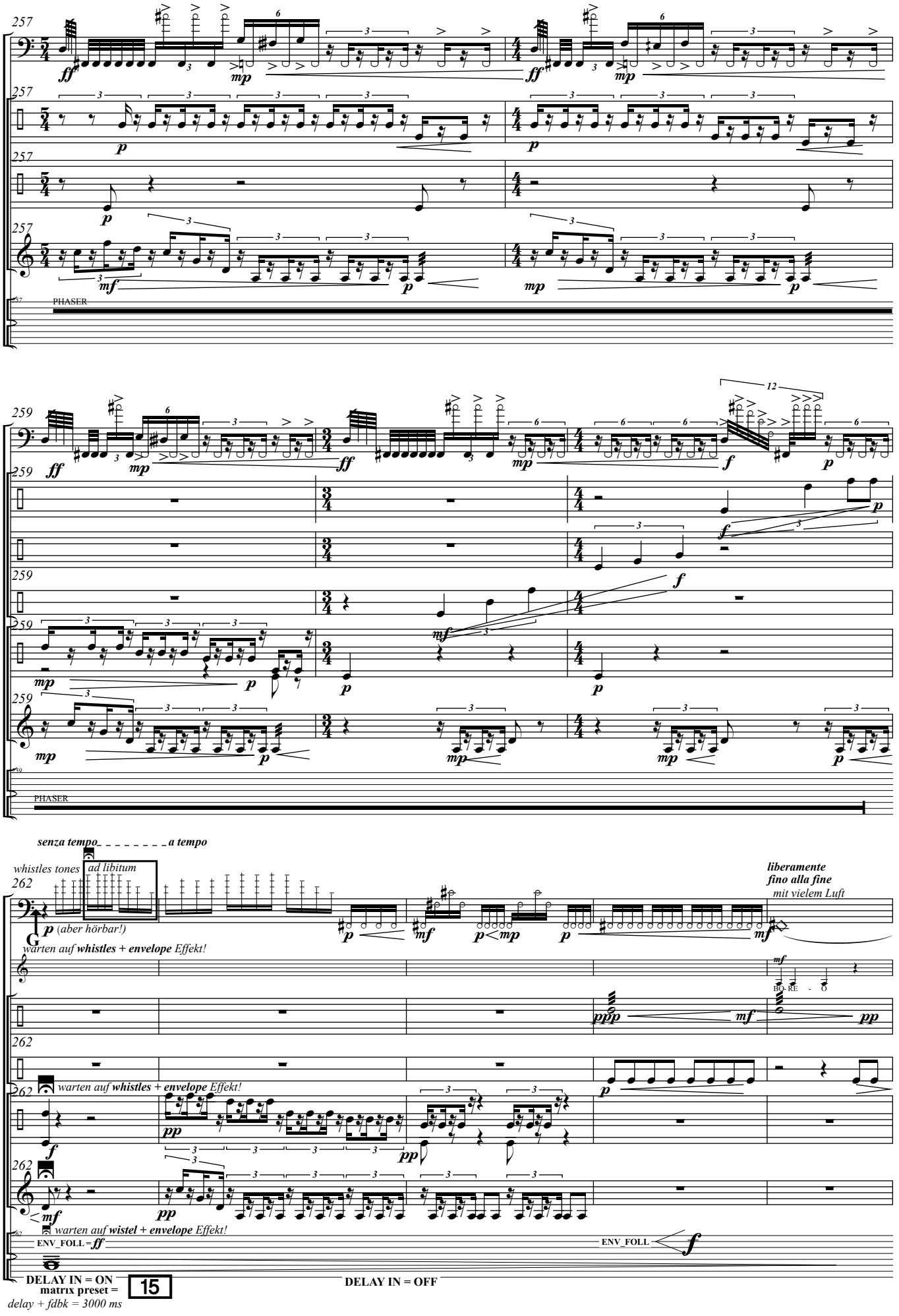


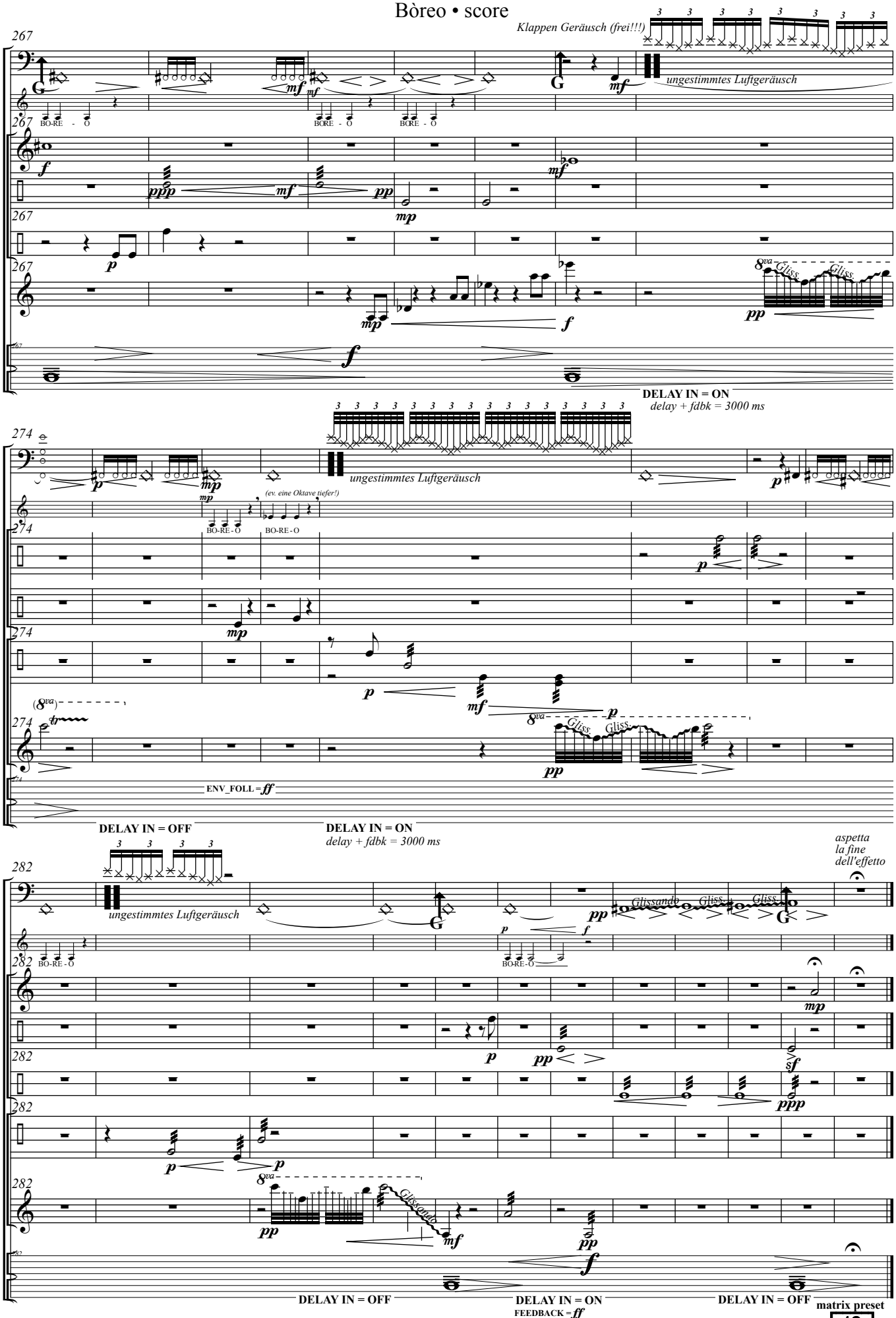
PHASER = ON
matrix preset = **14**








257
Bkfl.
Mar
Vslap
Guiro
HBl
Bong
Tom
Conga
GrTr
Xyl
Blkfl
Elect
Schlzg
PHASER
259
Trg
W. Ch.
Cow B.
W.G./M.P.
Becken
Ch Gong
Gg
senza tempo
a tempo
whistles tones
ad libitum
262
(aber hörbar!)
warten auf whistles + envelope Effekt!
liberamente
fino alla fine
mit vielem Luft
BO - RE - O
warten auf wistel + envelope Effekt!
ENV_FOLL = ff
ENV_FOLL
DELAY IN = ON
matrix preset =
15
delay + fdbk = 3000 ms
DELAY IN = OFF




meister
musica