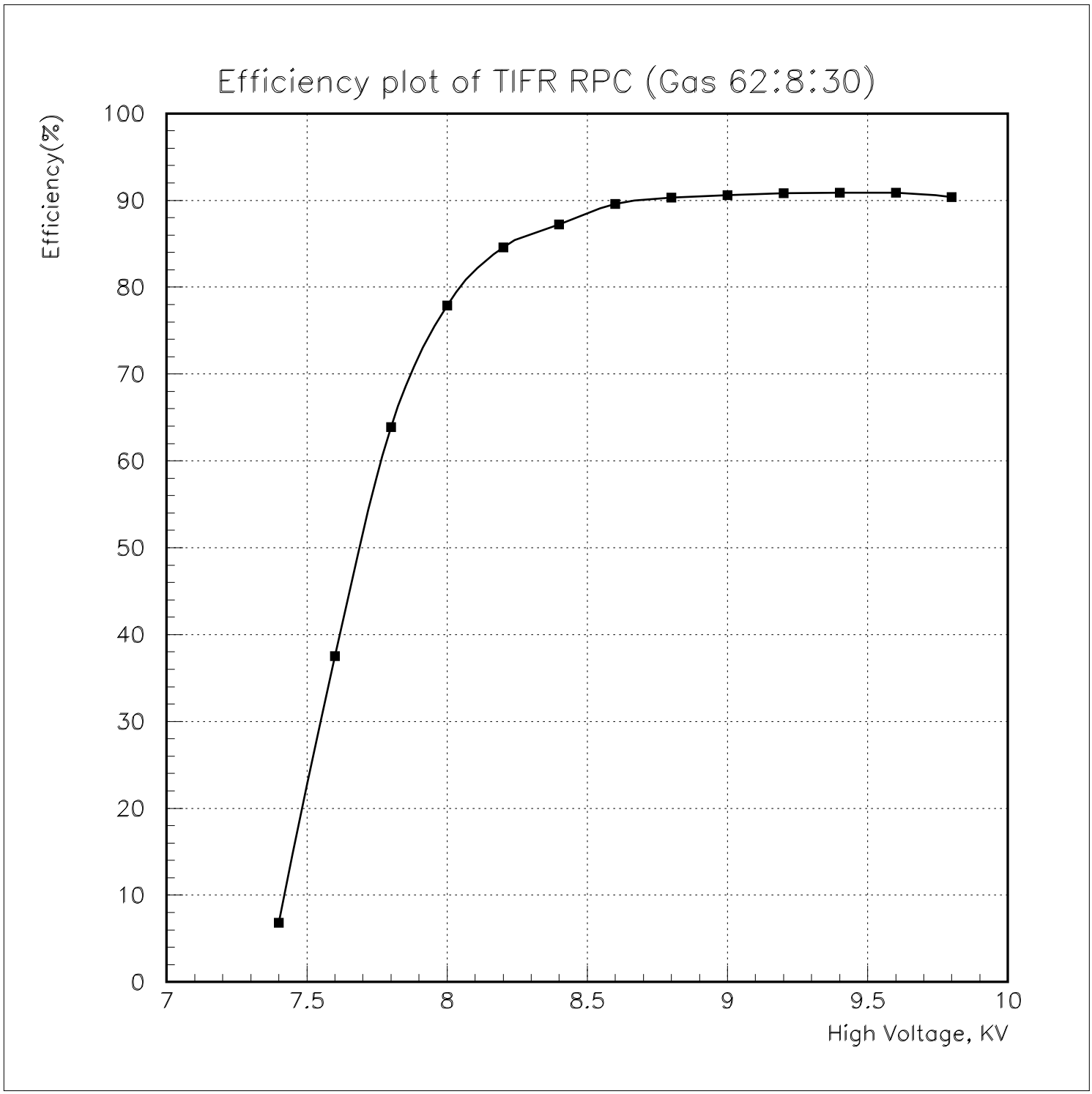
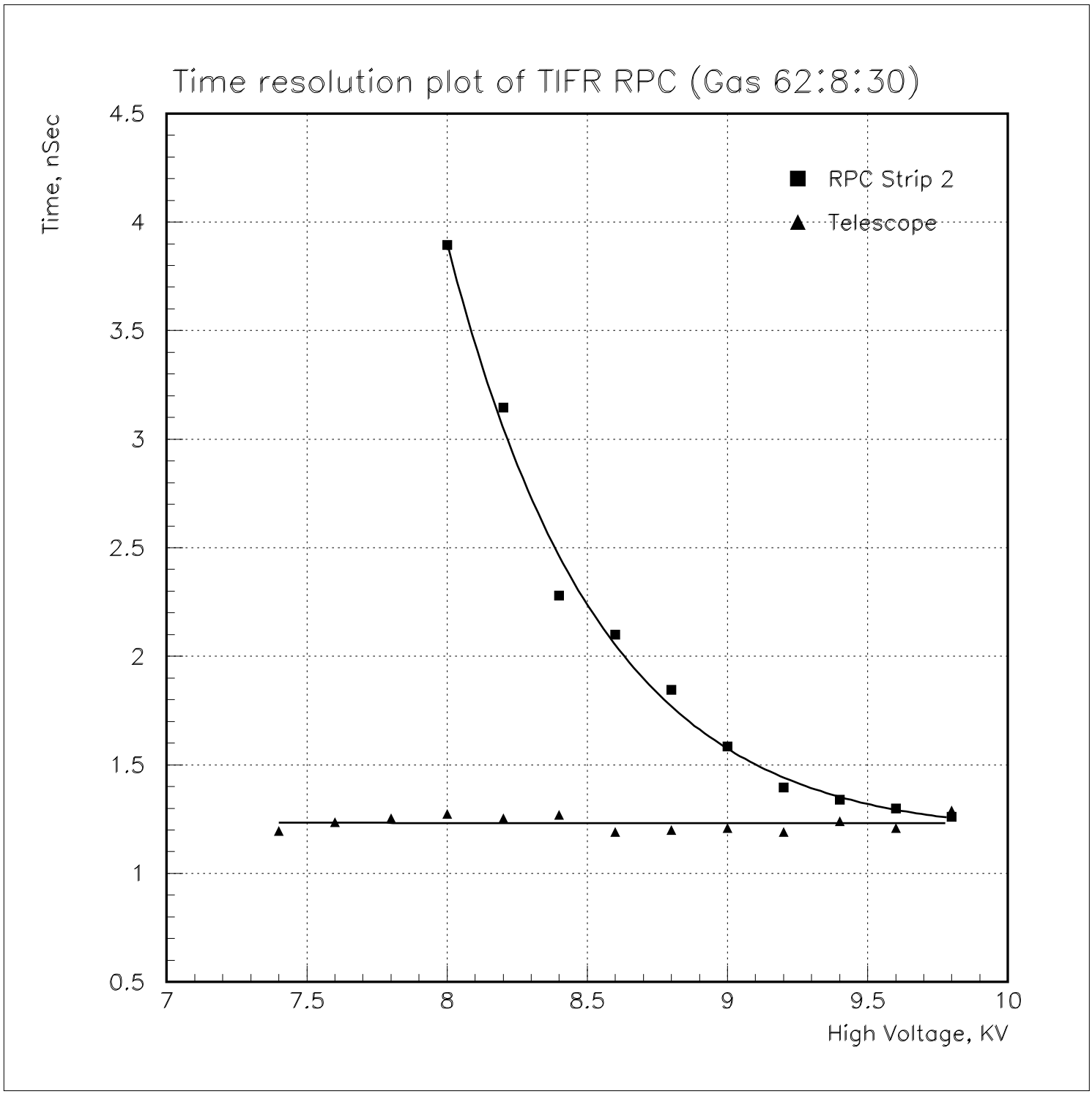
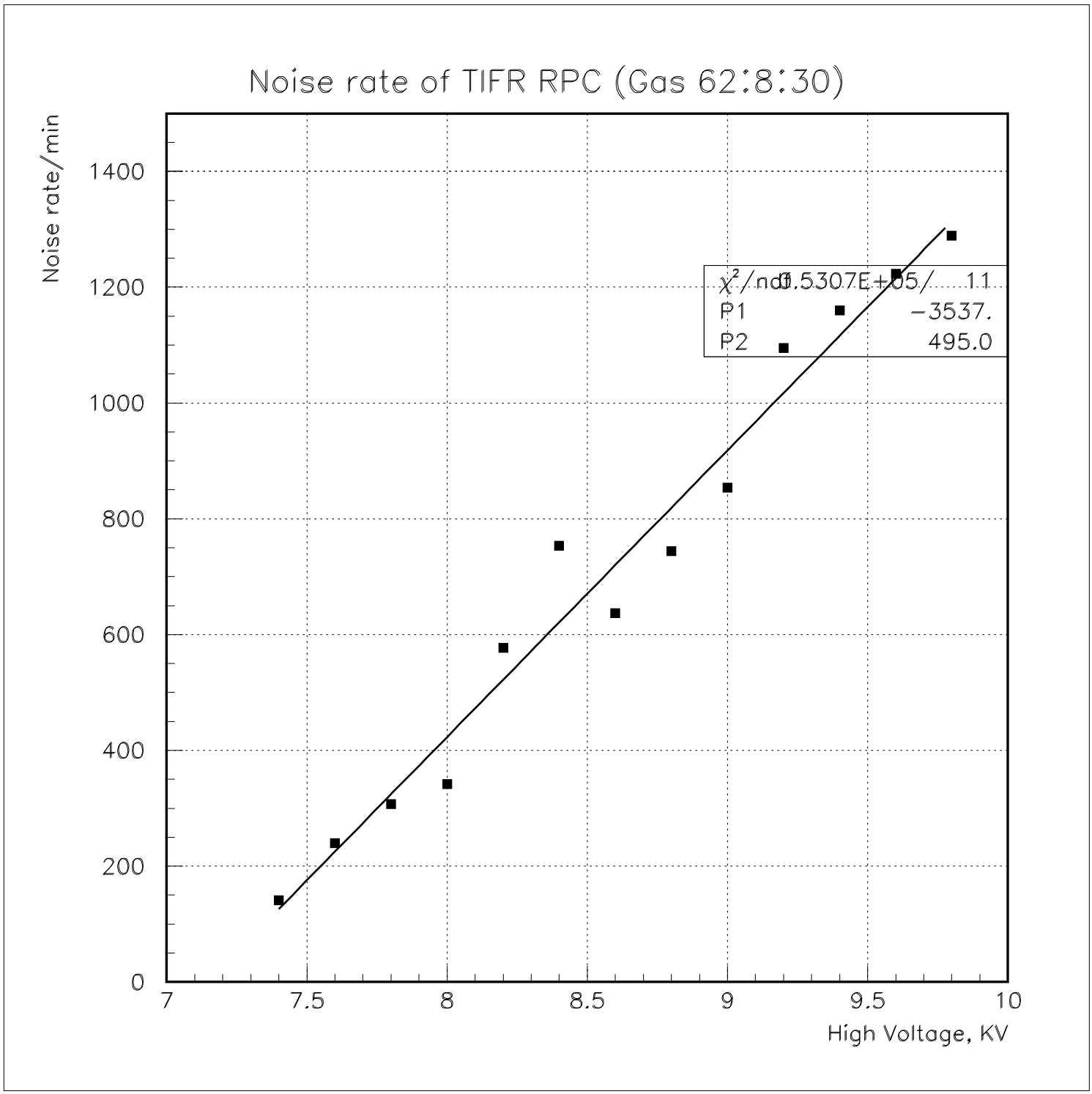
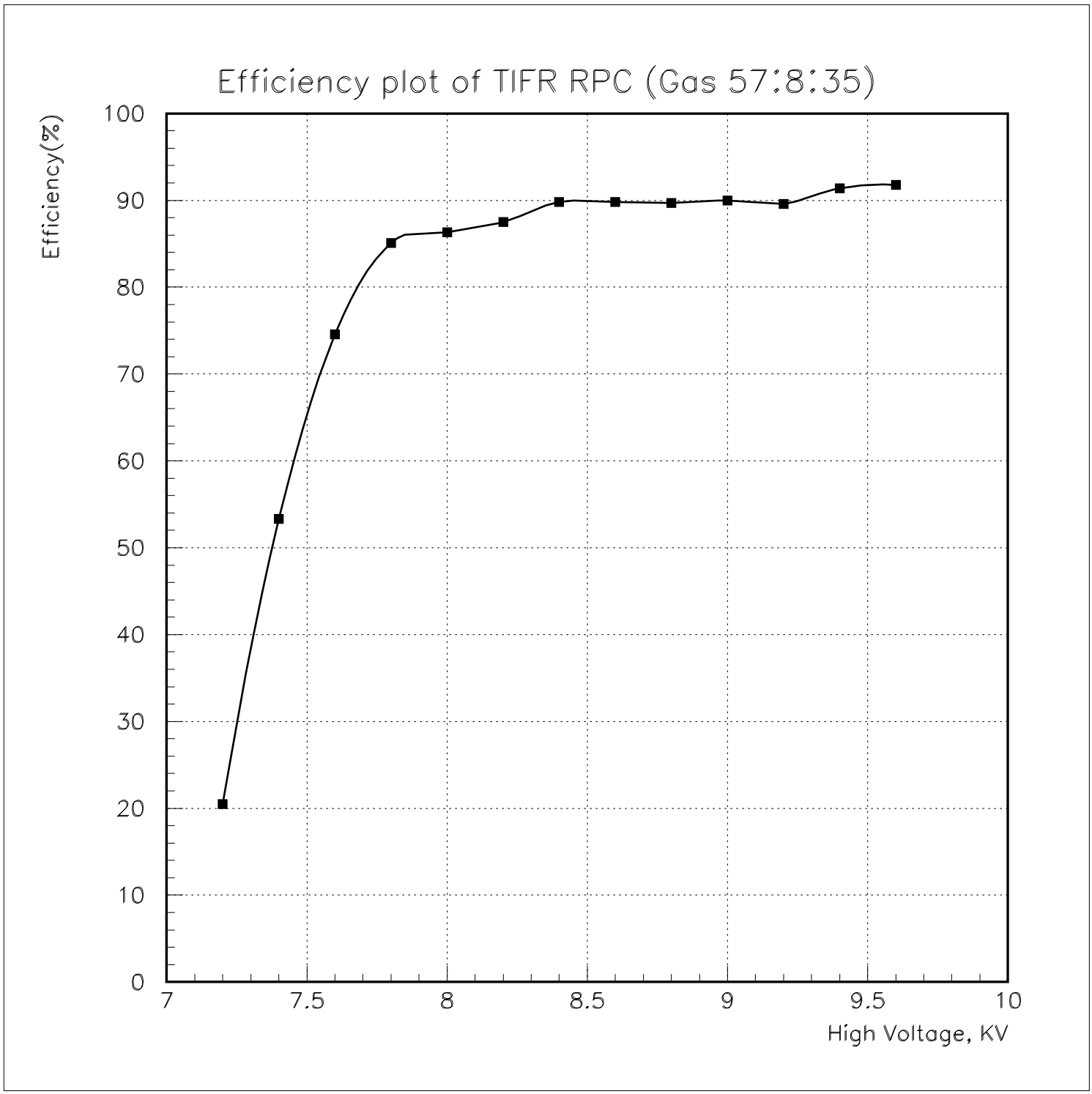
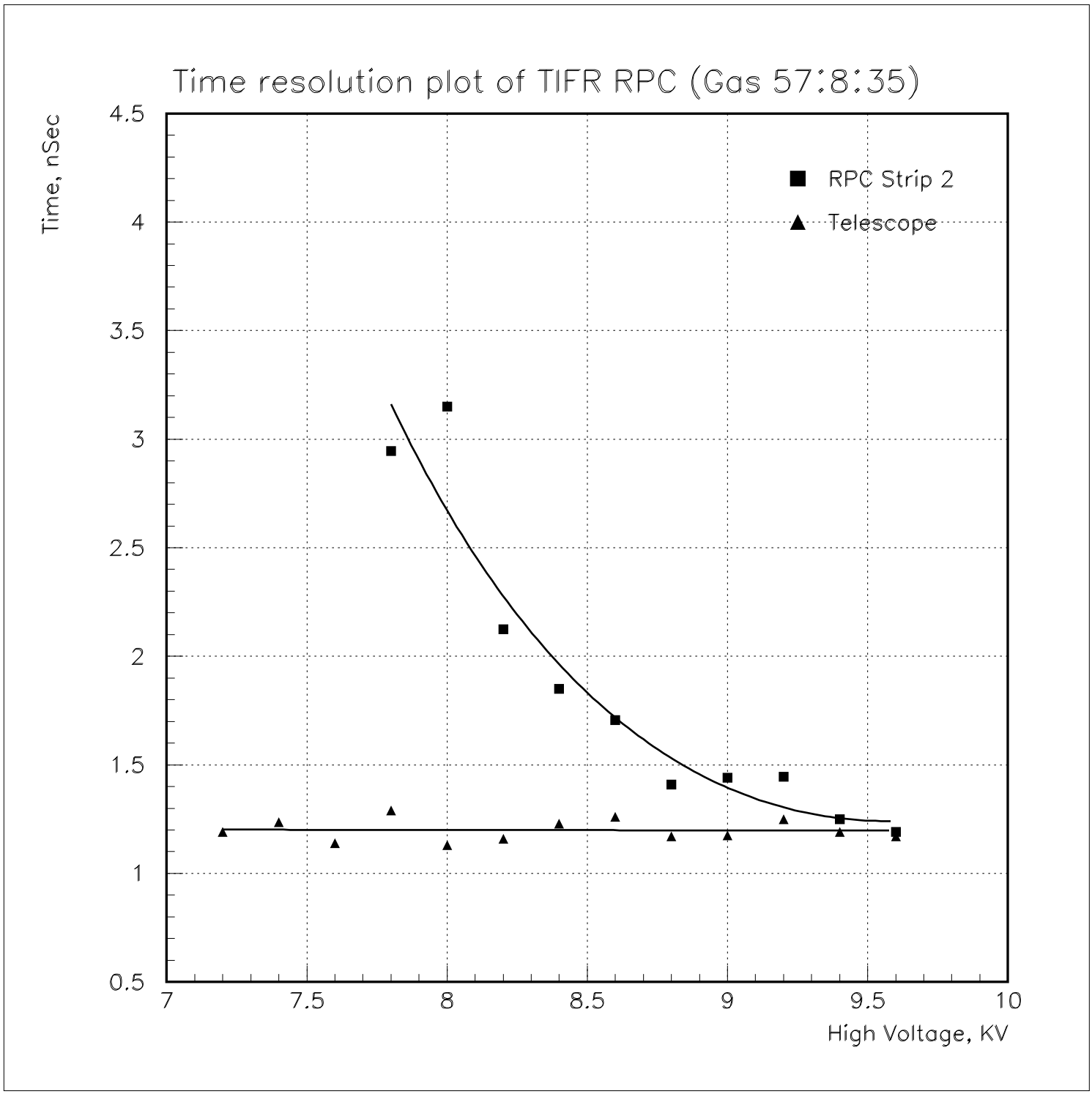
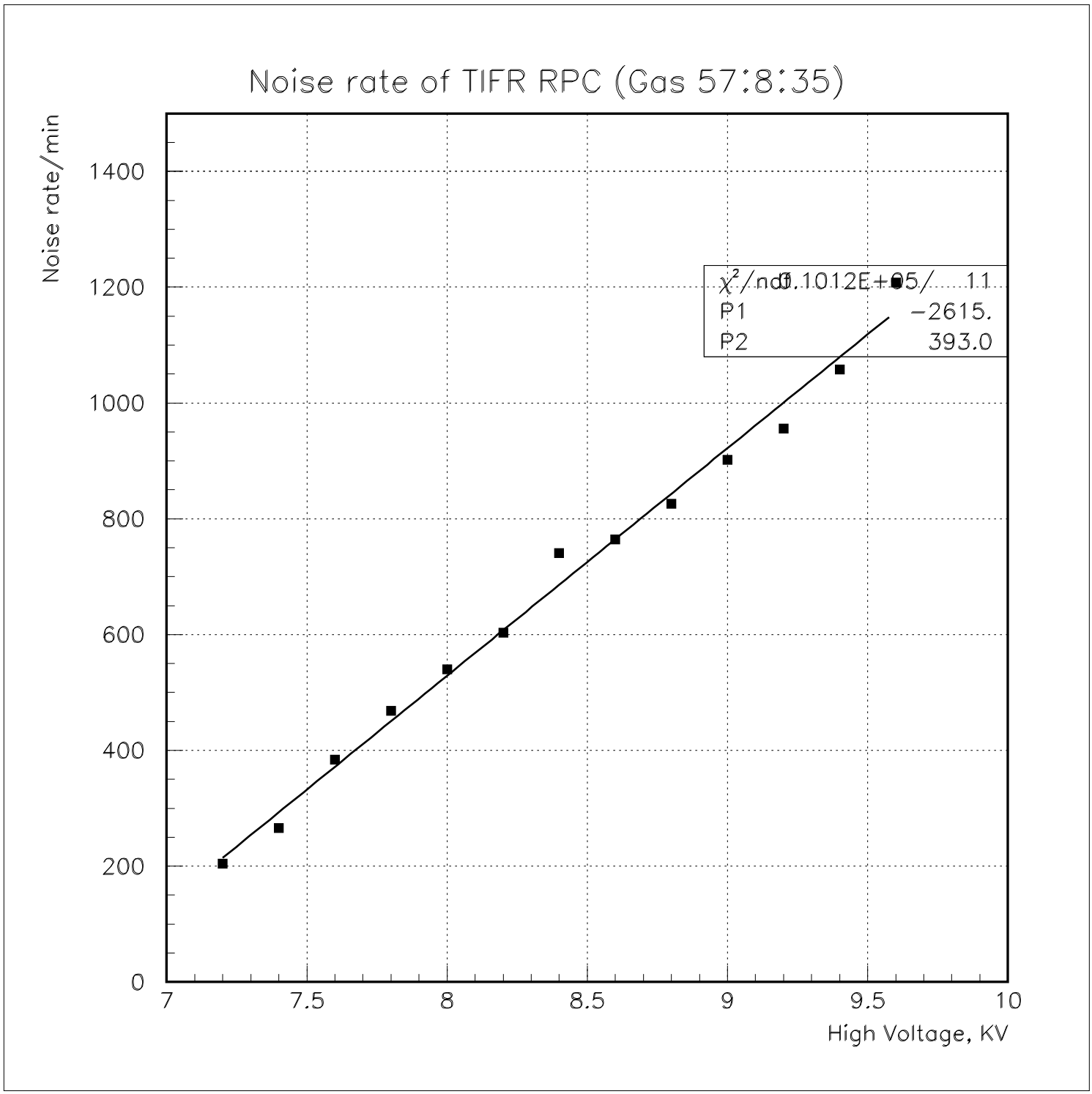

Efficiency plot of TIFR RPC (Gas 62:8:30)
Efficiency(%)
100
90
80
70
60
50
40
30
20
10
0
7
7.5
8
8.5
9
9.5
10
High Voltage, KV

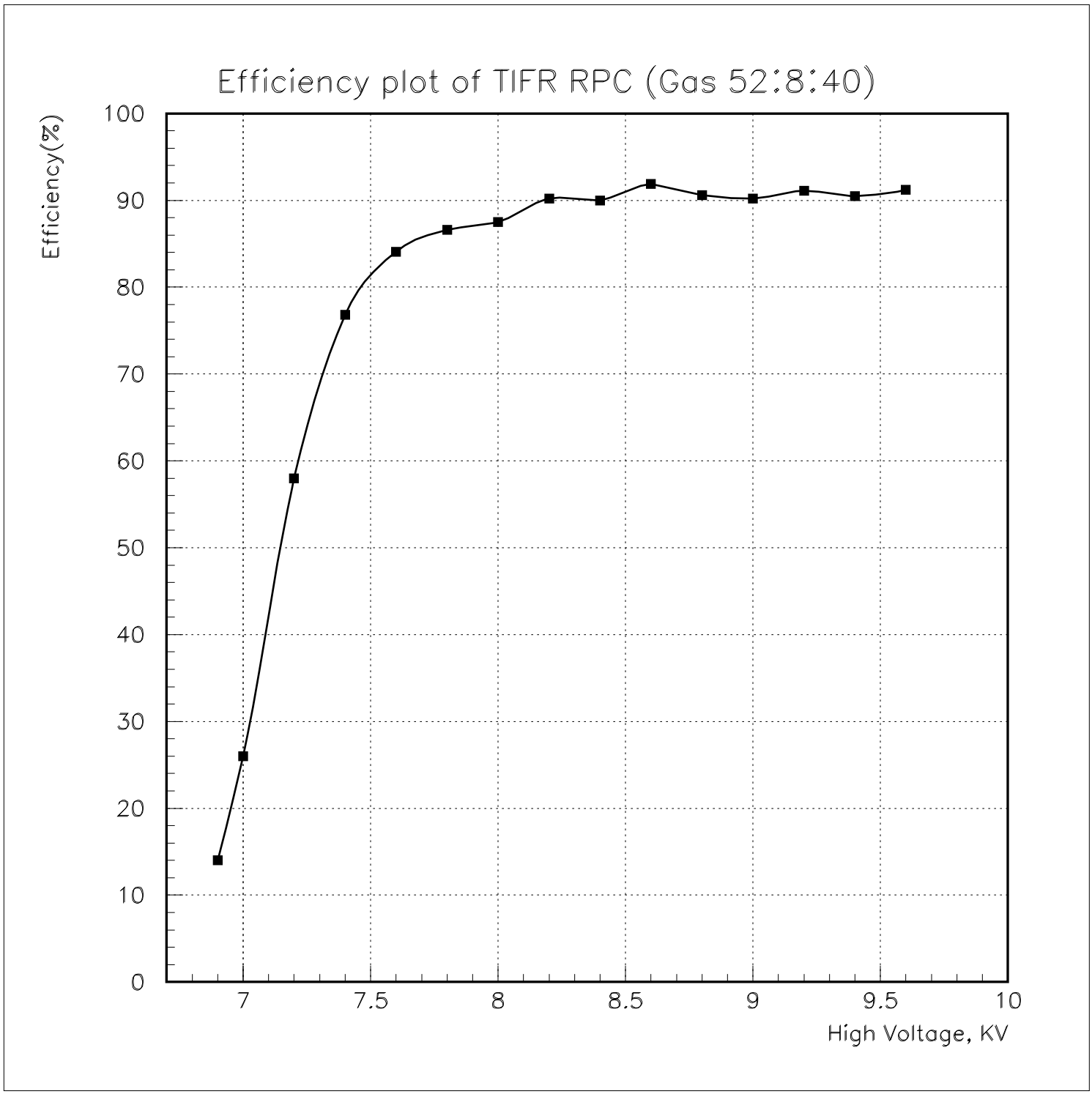

Time resolution plot of TIFR RPC (Gas 62:8:30)
Time, nSec
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
RPC Strip 2
Telescope

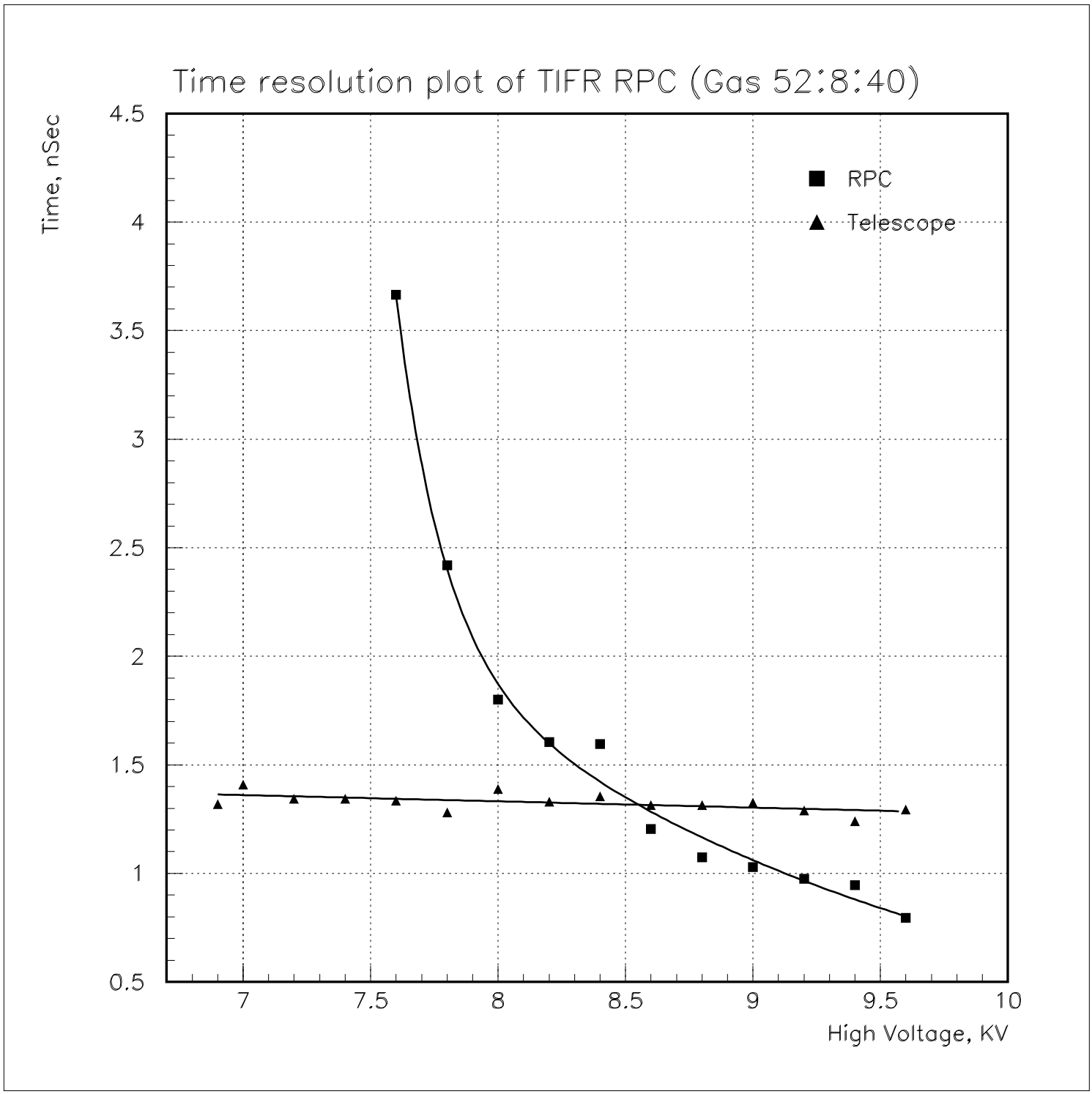

Noise rate of TIFR RPC (Gas 62:8:30)
Noise rate/min
1400
1200
1000
800
600
400
200
0
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
χ²/ndf 1.5307E+05 / 11
P1 −3537.
P2 495.0

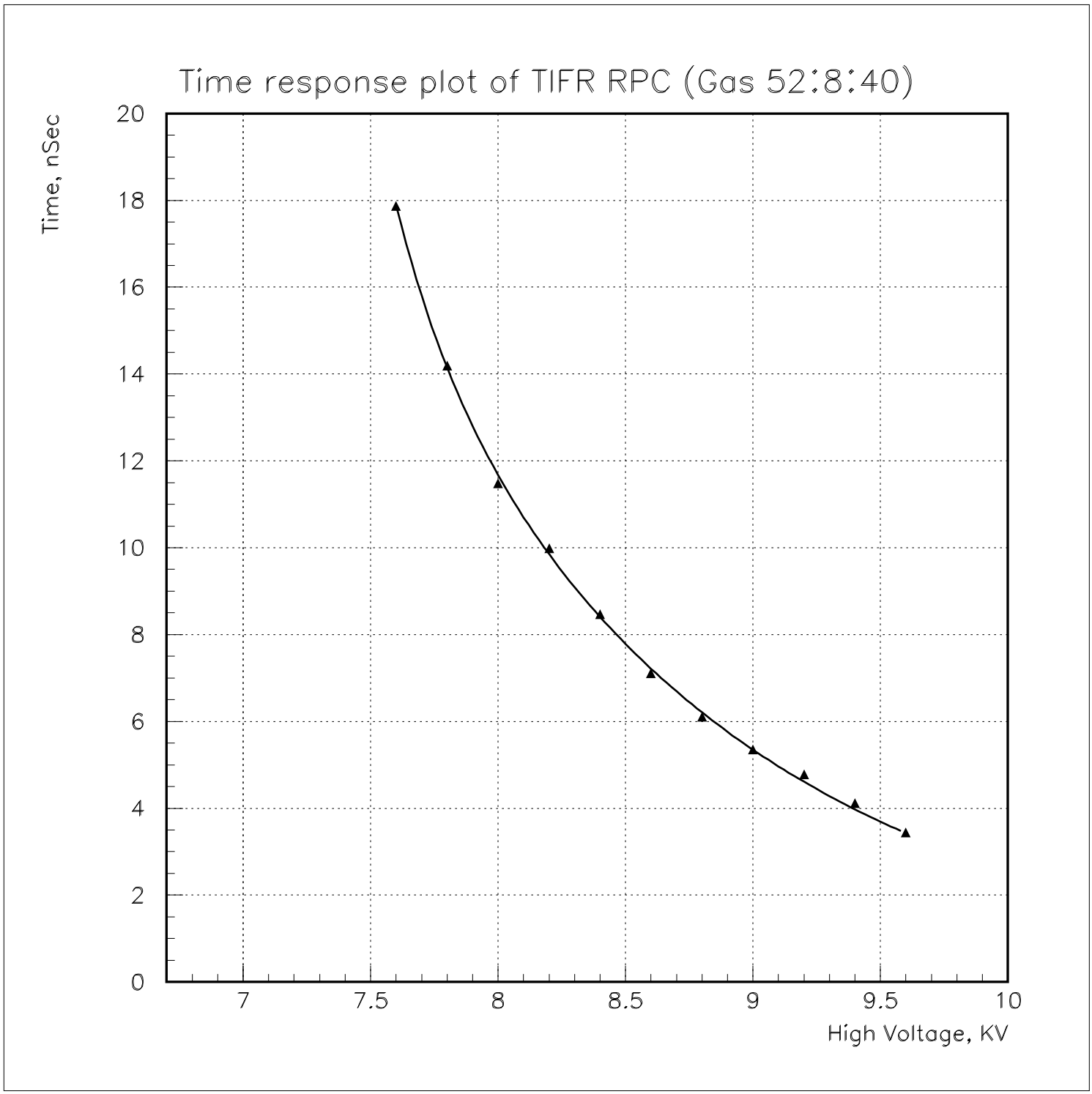

Efficiency plot of TIFR RPC (Gas 57:8:35)
Efficiency(%)
100
90
80
70
60
50
40
30
20
10
0
7
7.5
8
8.5
9
9.5
10
High Voltage, KV

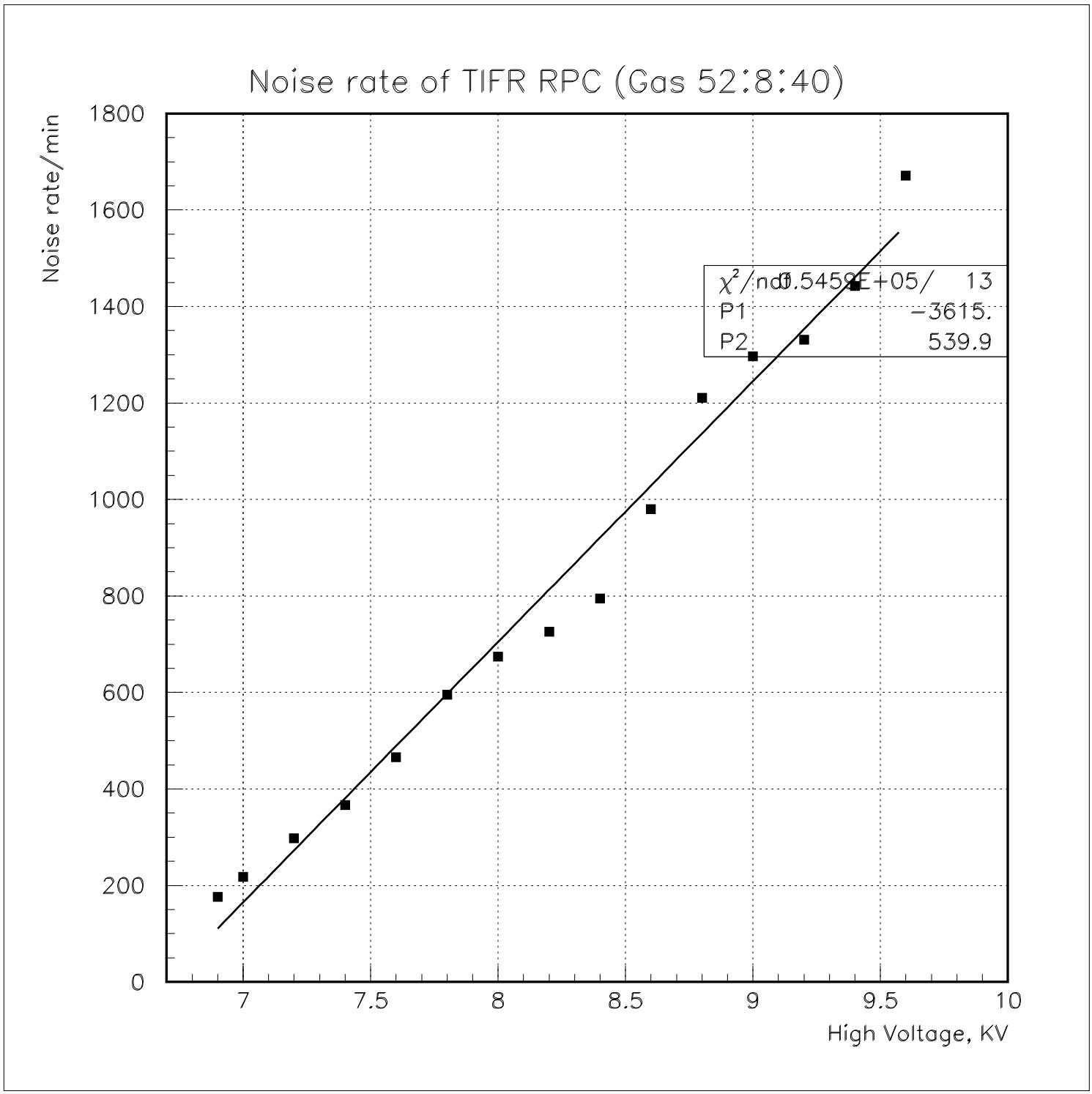

Time resolution plot of TIFR RPC (Gas 57:8:35)
Time, nSec
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
RPC Strip 2
Telescope

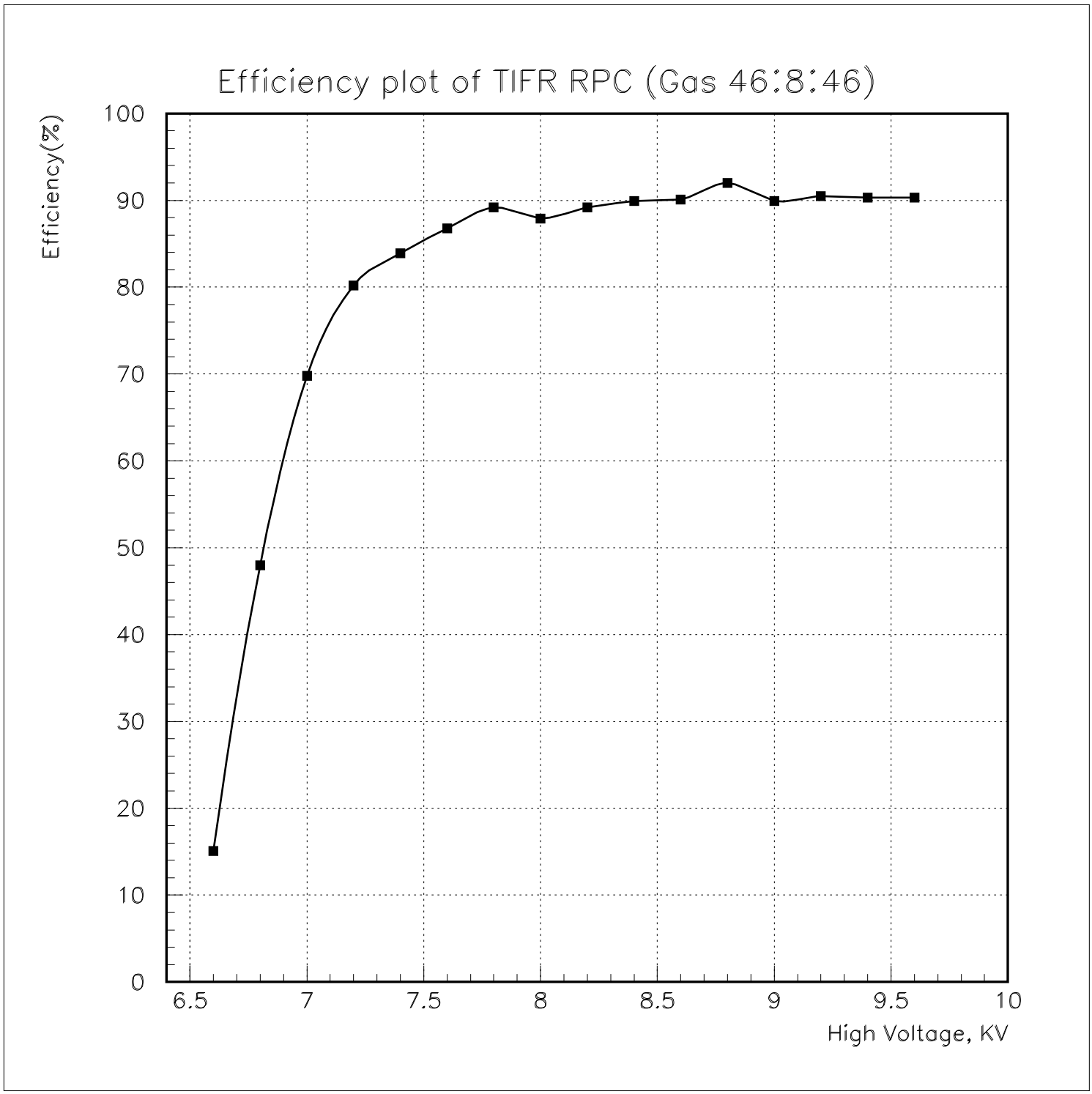

Noise rate of TIFR RPC (Gas 57:8:35)
Noise rate/min
1400
1200
1000
800
600
400
200
0
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
χ²/ndf 1.101E+05 / 11
P1 −2615.
P2 393.0

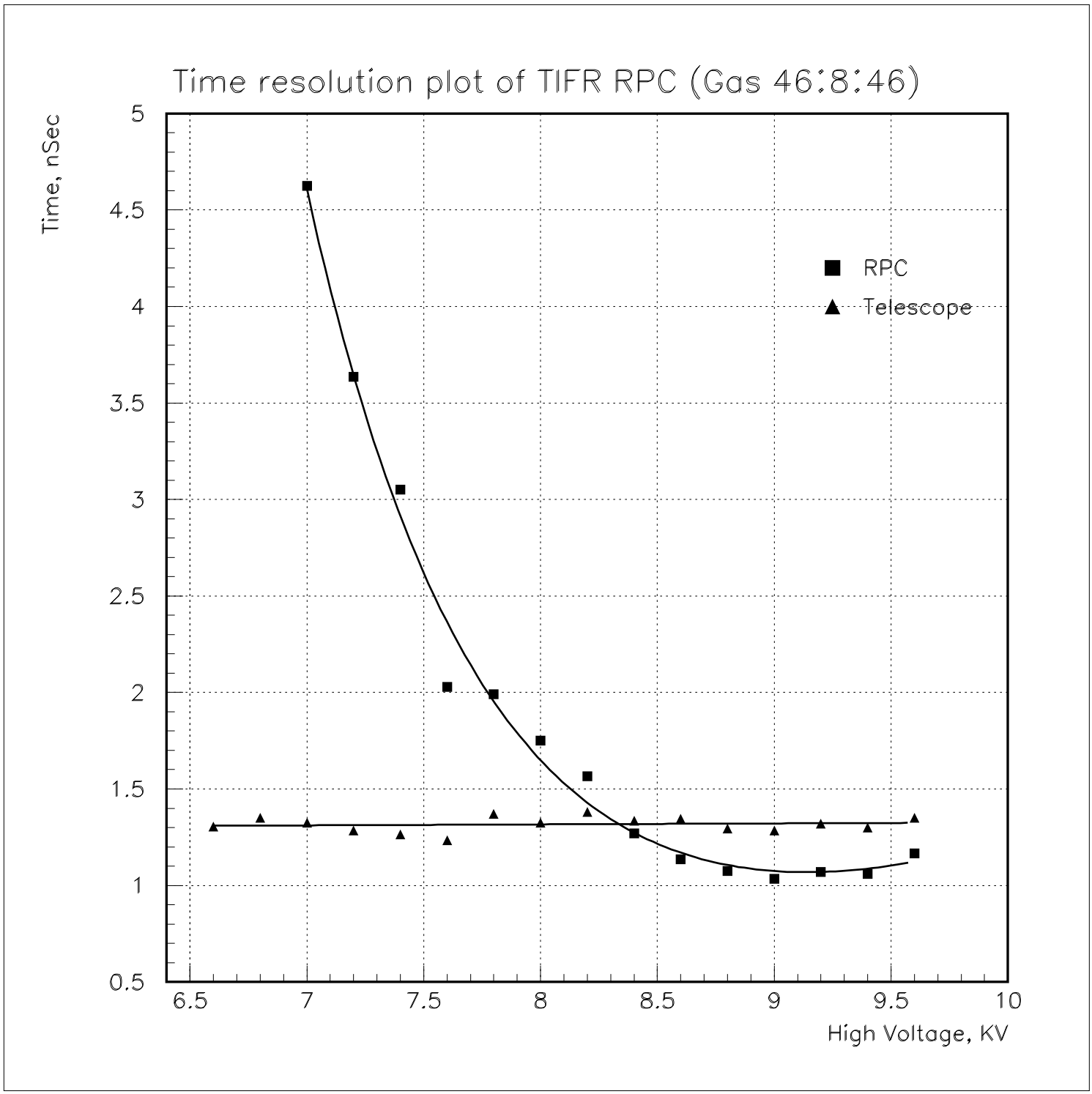

Efficiency plot of TIFR RPC (Gas 52:8:40)
Efficiency(%)
100
90
80
70
60
50
40
30
20
10
0
7
7.5
8
8.5
9
9.5
10
High Voltage, KV

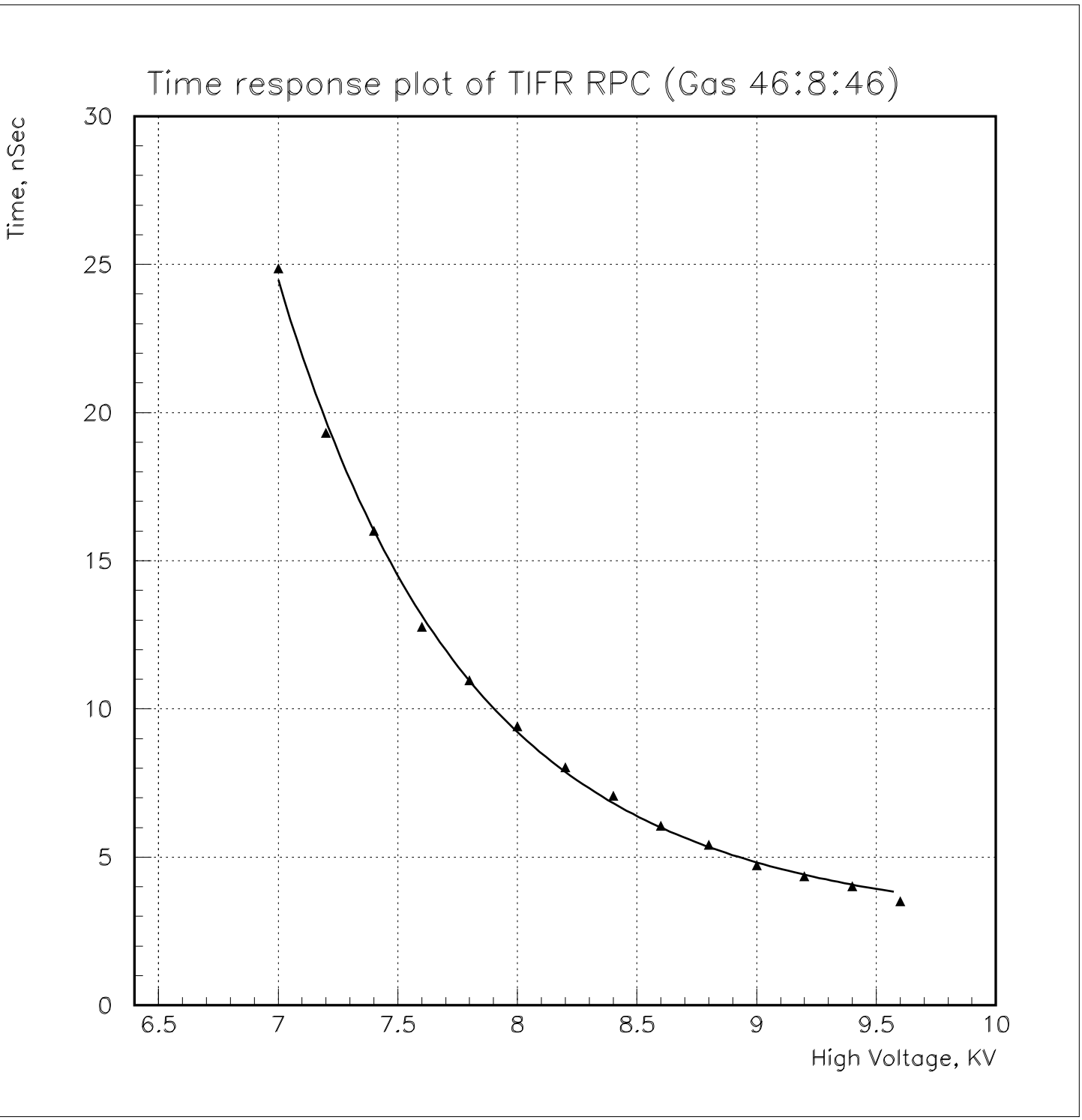

Time resolution plot of TIFR RPC (Gas 52:8:40)
Time, nSec
4.5
4
3.5
3
2.5
2
1.5
1
0.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
RPC
Telescope

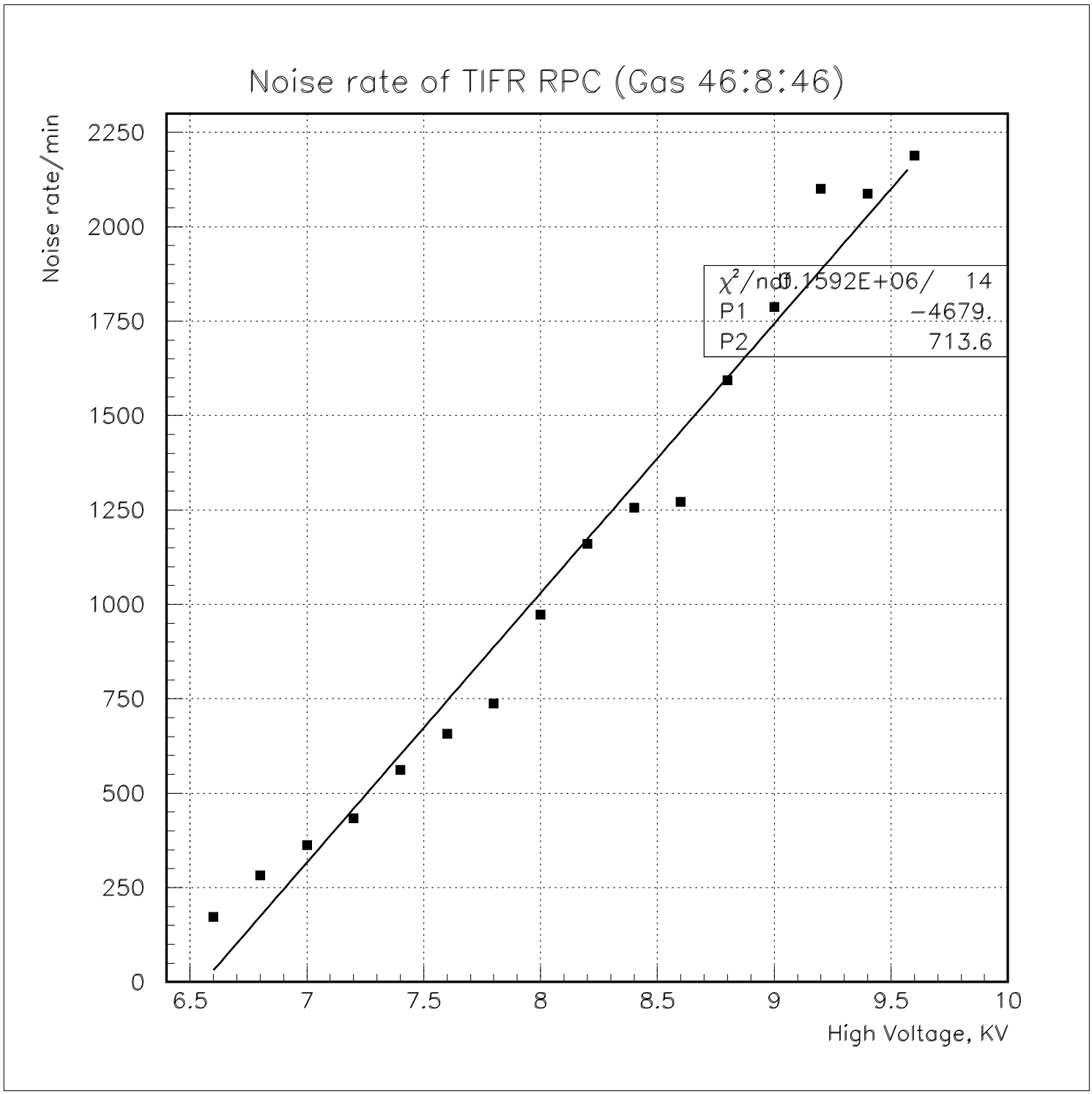

Time response plot of TIFR RPC (Gas 52:8:40)
Time, nSec
20
18
16
14
12
10
8
6
4
2
0
7
7.5
8
8.5
9
9.5
10
High Voltage, KV

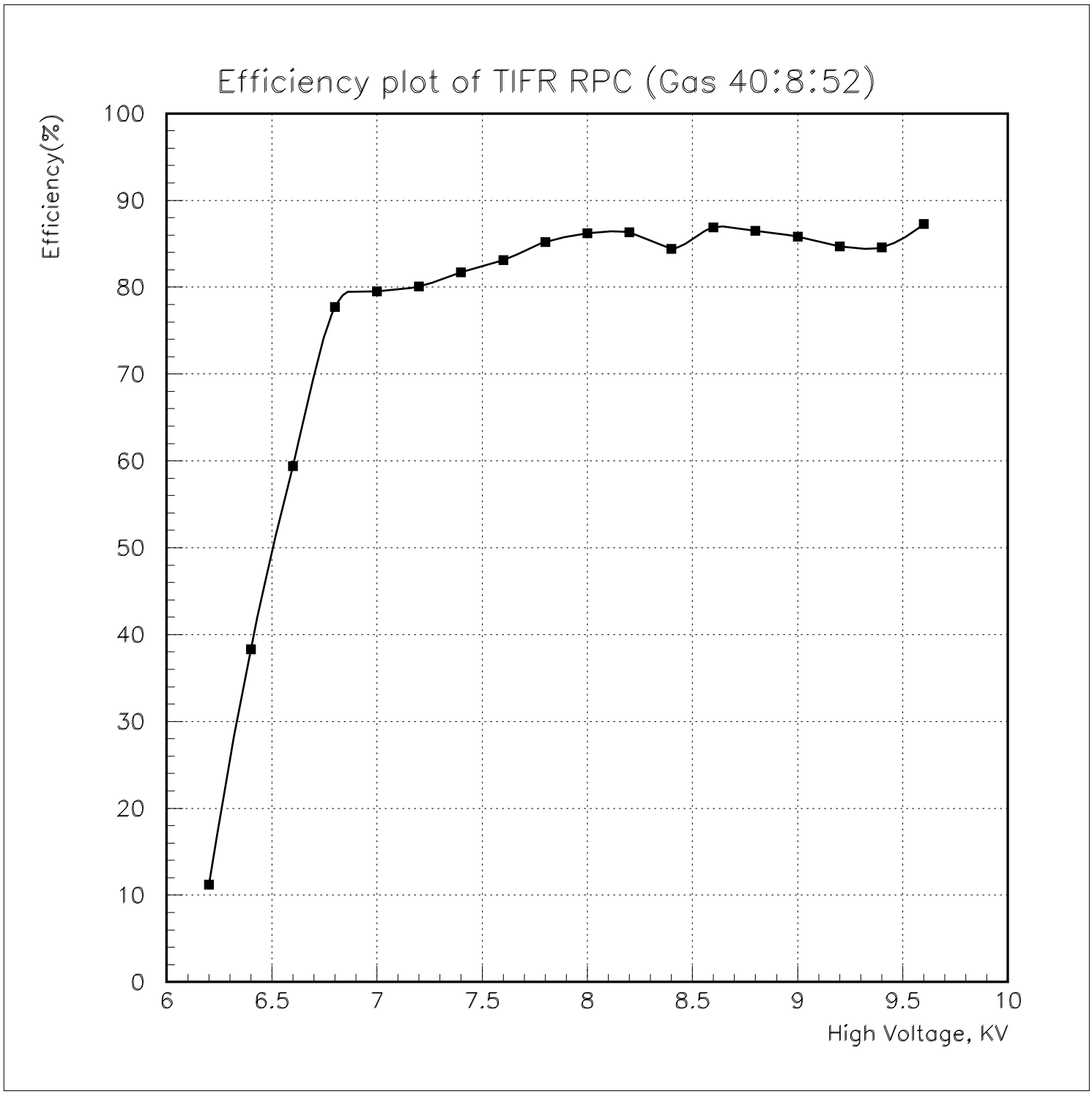

Noise rate of TIFR RPC (Gas 52:8:40)
Noise rate/min
1800
1600
1400
1200
1000
800
600
400
200
0
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
χ²/nd 0.5458E+05/ 13
P1 −3615.
P2 539.9

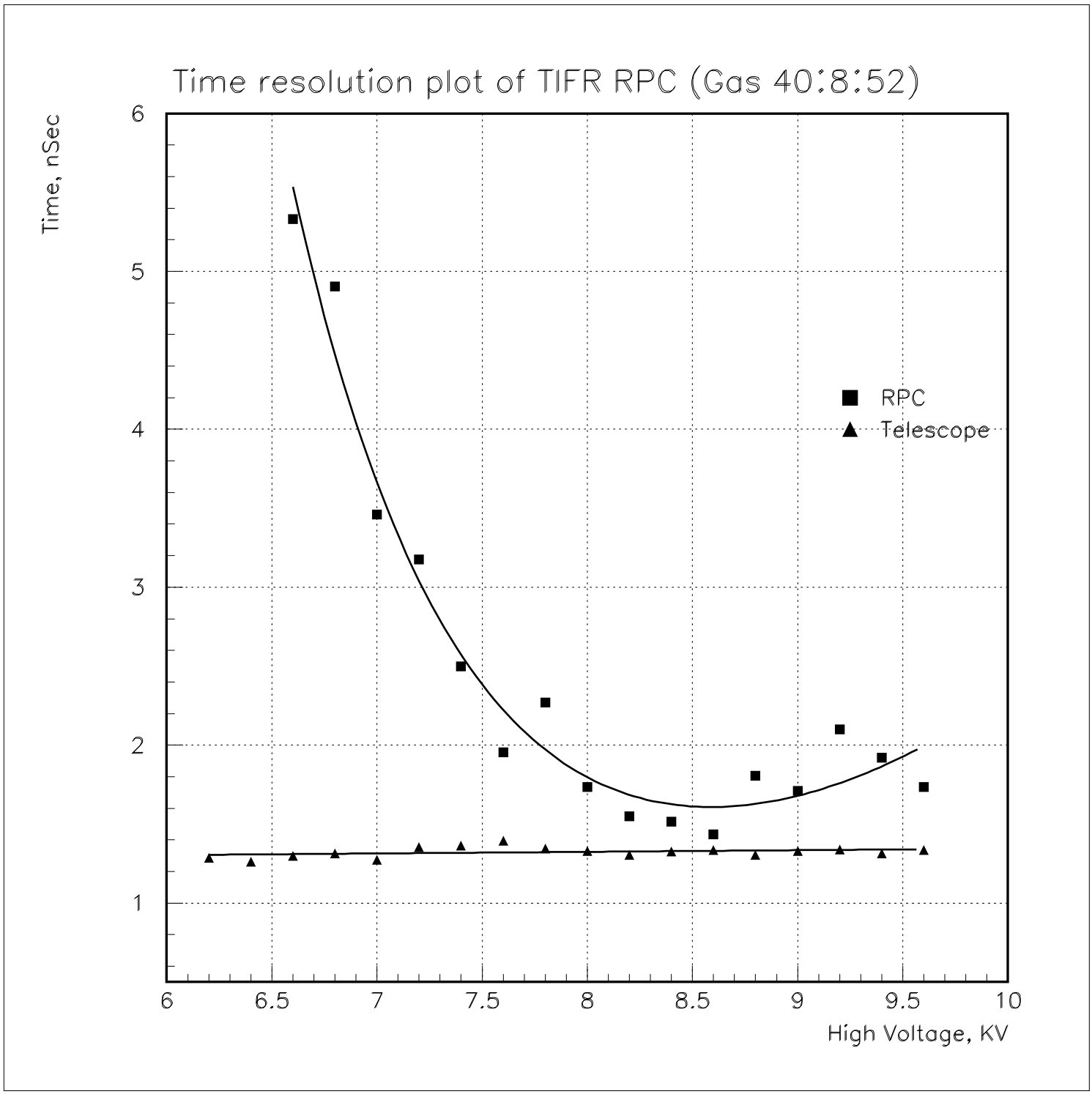

Efficiency plot of TIFR RPC (Gas 46:8:46)
Efficiency(%)
100
90
80
70
60
50
40
30
20
10
0
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV

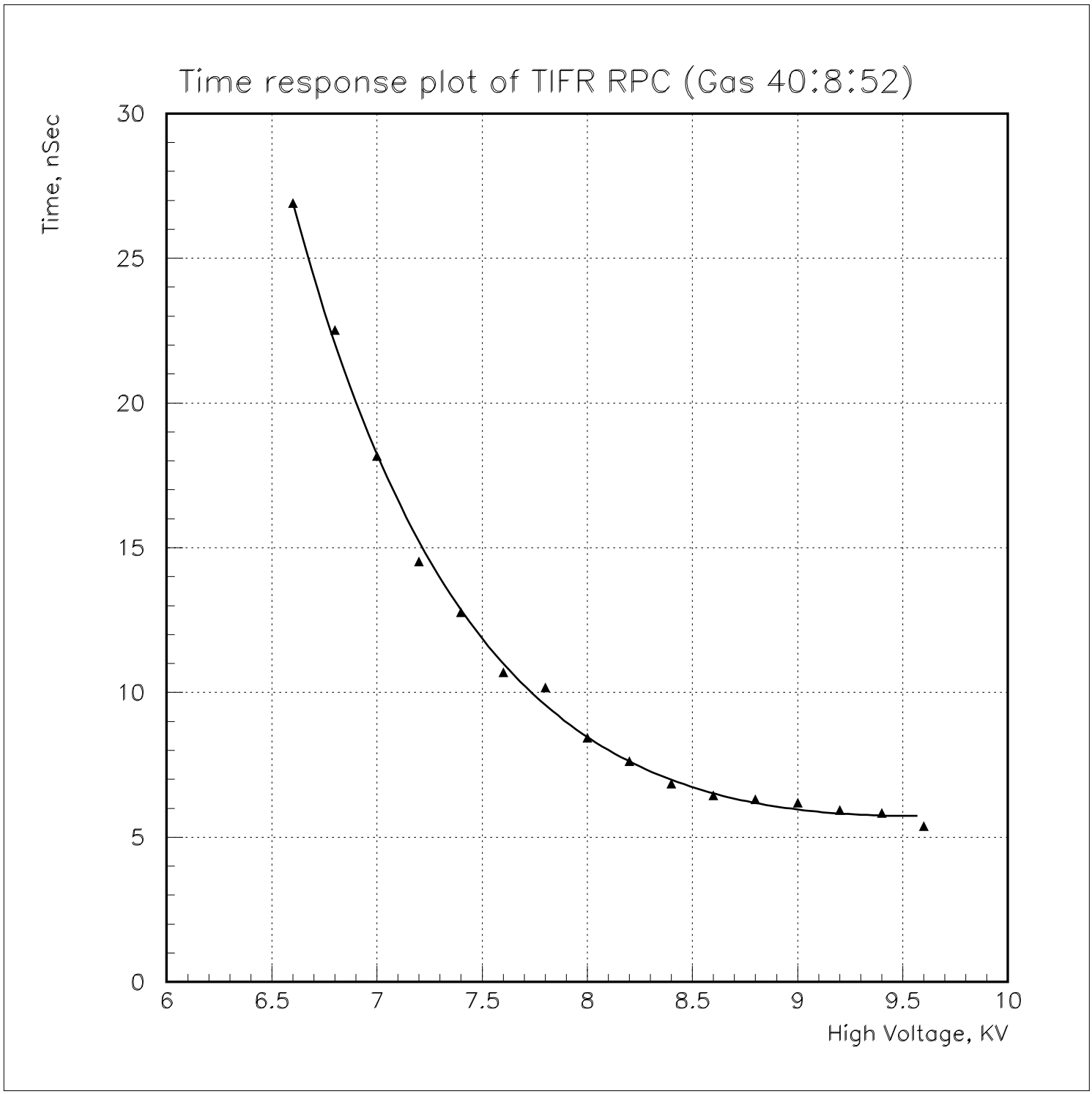

Time resolution plot of TIFR RPC (Gas 46:8:46)
Time, nSec
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
RPC
Telescope

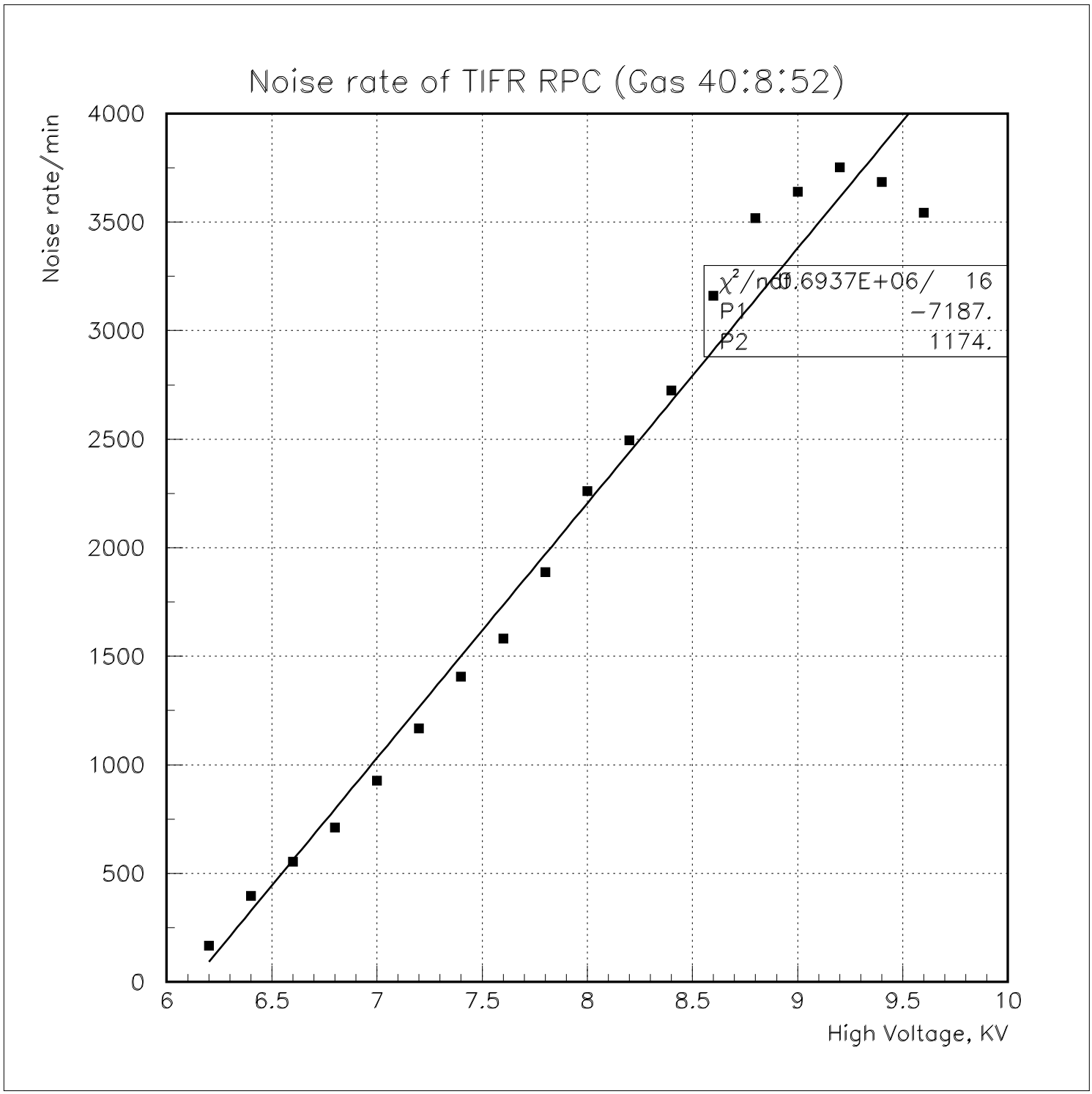

Time response plot of TIFR RPC (Gas 46:8:46)
Time, nSec
30
25
20
15
10
5
0
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV

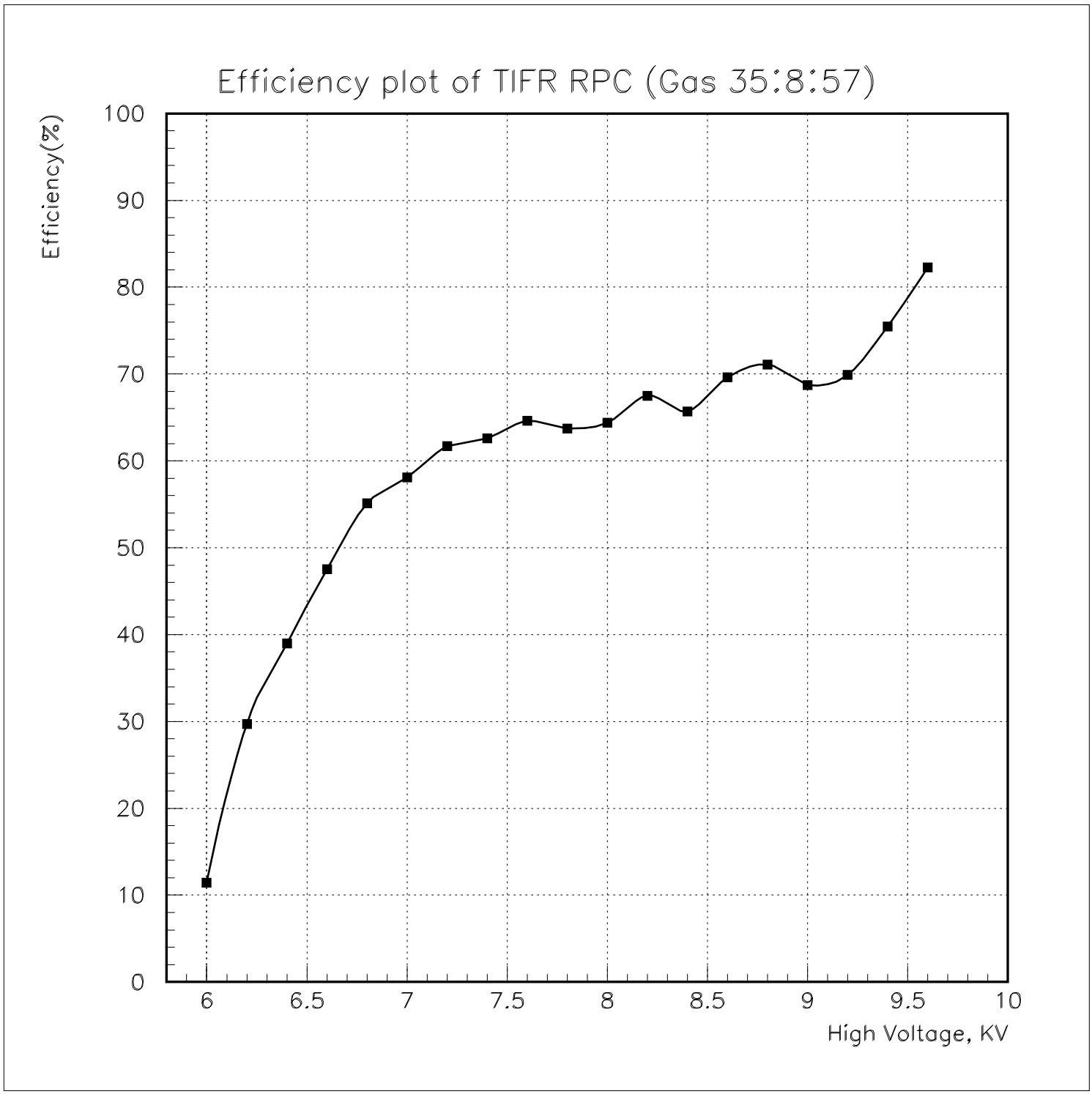

Noise rate of TIFR RPC (Gas 46:8:46)
Noise rate/min
2250
2000
1750
1500
1250
1000
750
500
250
0
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
χ²/ndf 1.592E+06/ 14
P1 −4679.
P2 713.6

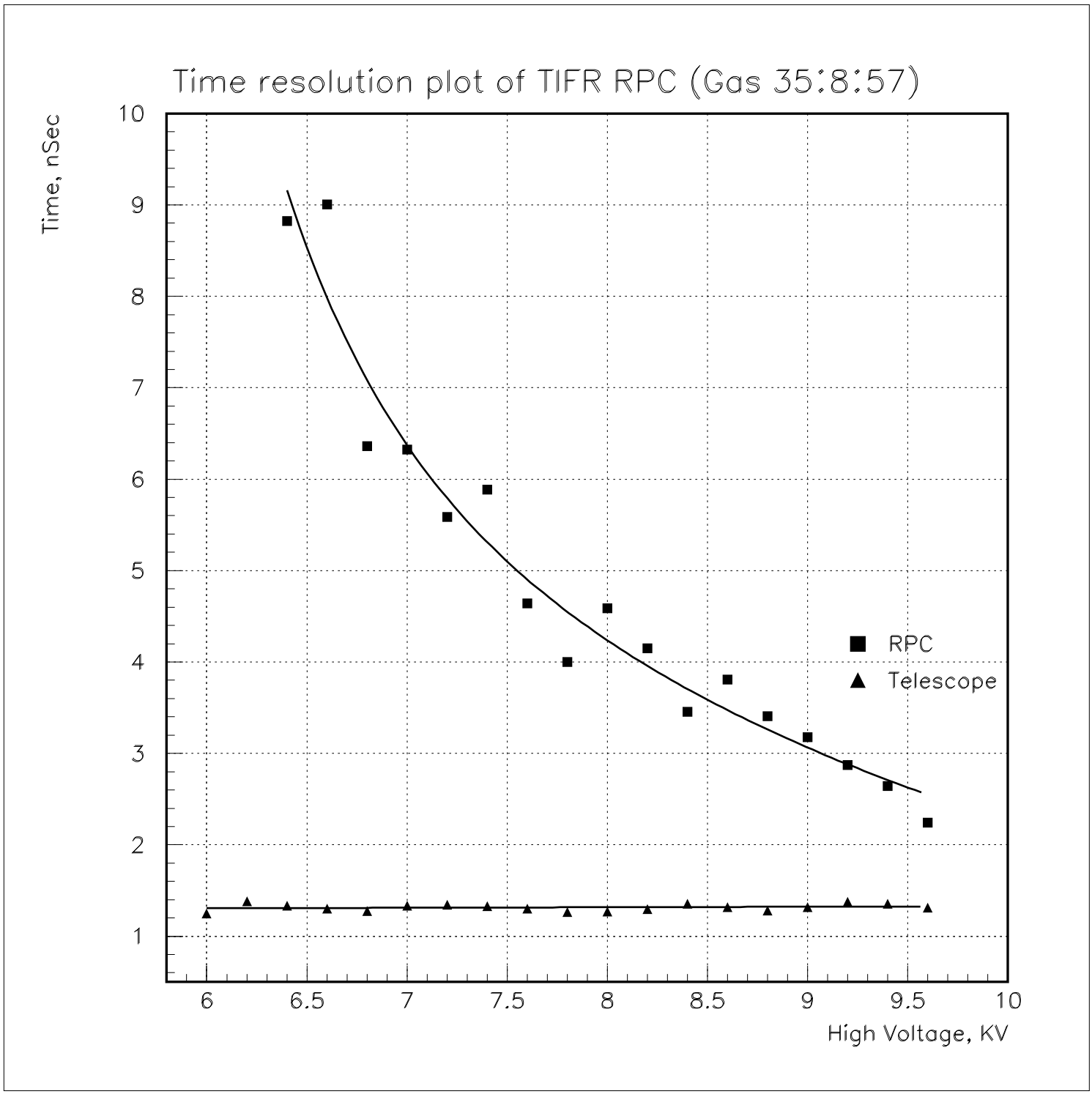

Efficiency plot of TIFR RPC (Gas 40:8:52)
Efficiency(%)
100
90
80
70
60
50
40
30
20
10
0
6
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV

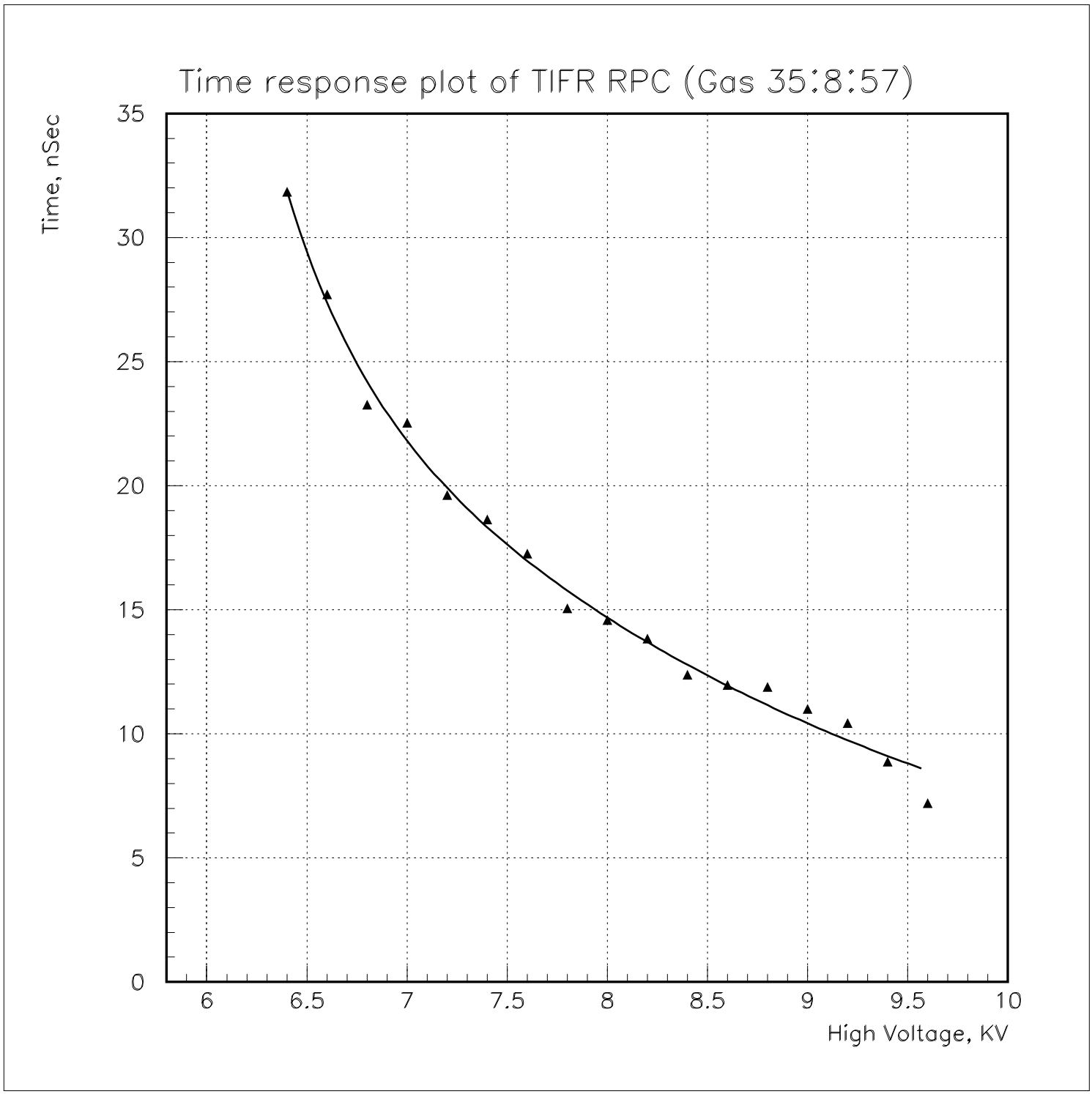

Time resolution plot of TIFR RPC (Gas 40:8:52)
Time, nSec
6
5
4
3
2
1
6
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
RPC
Telescope

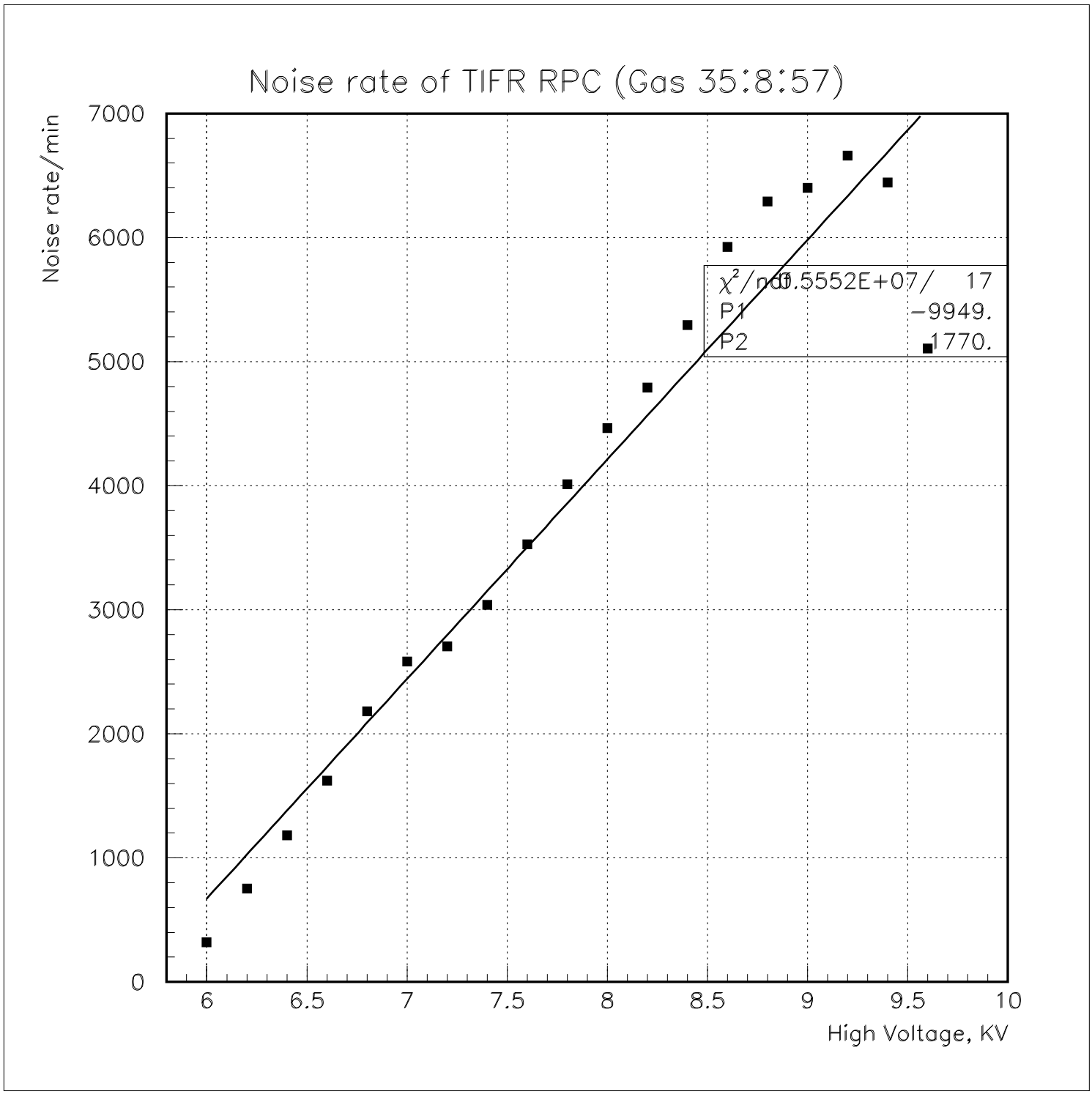

Time response plot of TIFR RPC (Gas 40:8:52)
Time, nSec
30
25
20
15
10
5
0
6
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV

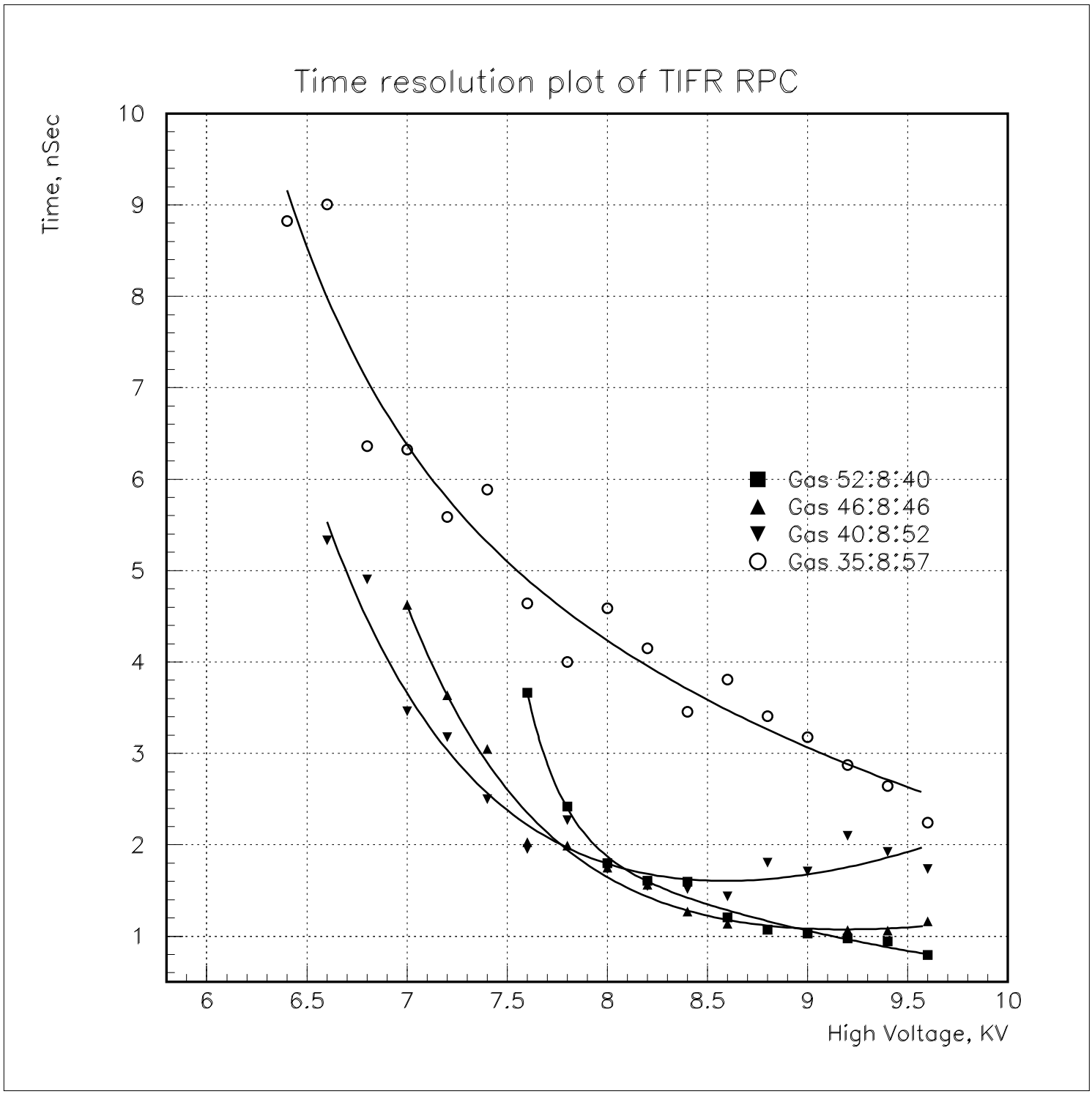

Noise rate of TIFR RPC (Gas 40:8:52)
Noise rate/min
4000
3500
3000
2500
2000
1500
1000
500
0
6
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
χ²/ndf 1.6937E+06/ 16
P1 −7187.
P2 1174.

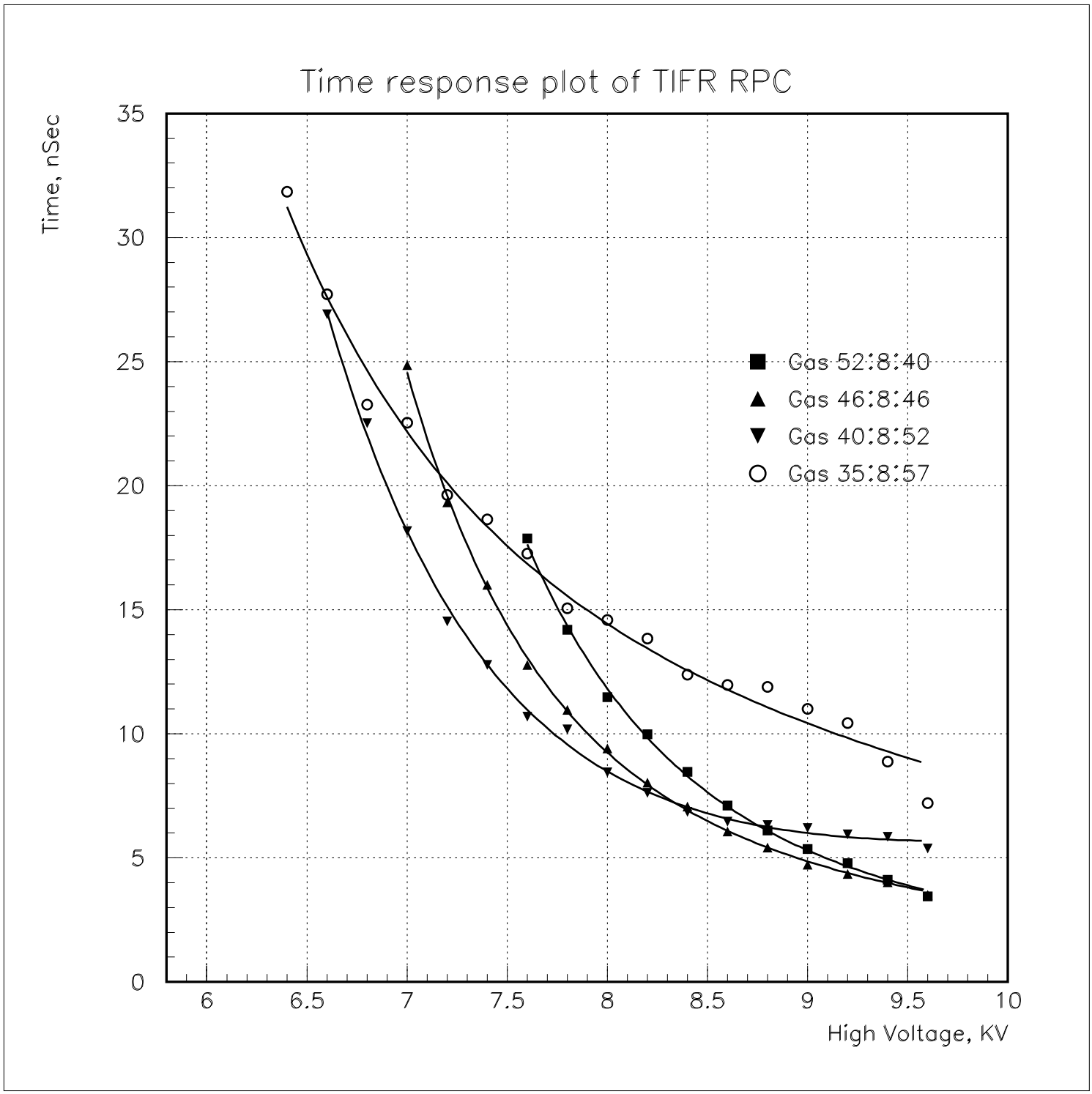

Efficiency plot of TIFR RPC (Gas 35:8:57)
Efficiency(%)
100
90
80
70
60
50
40
30
20
10
0
6
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV

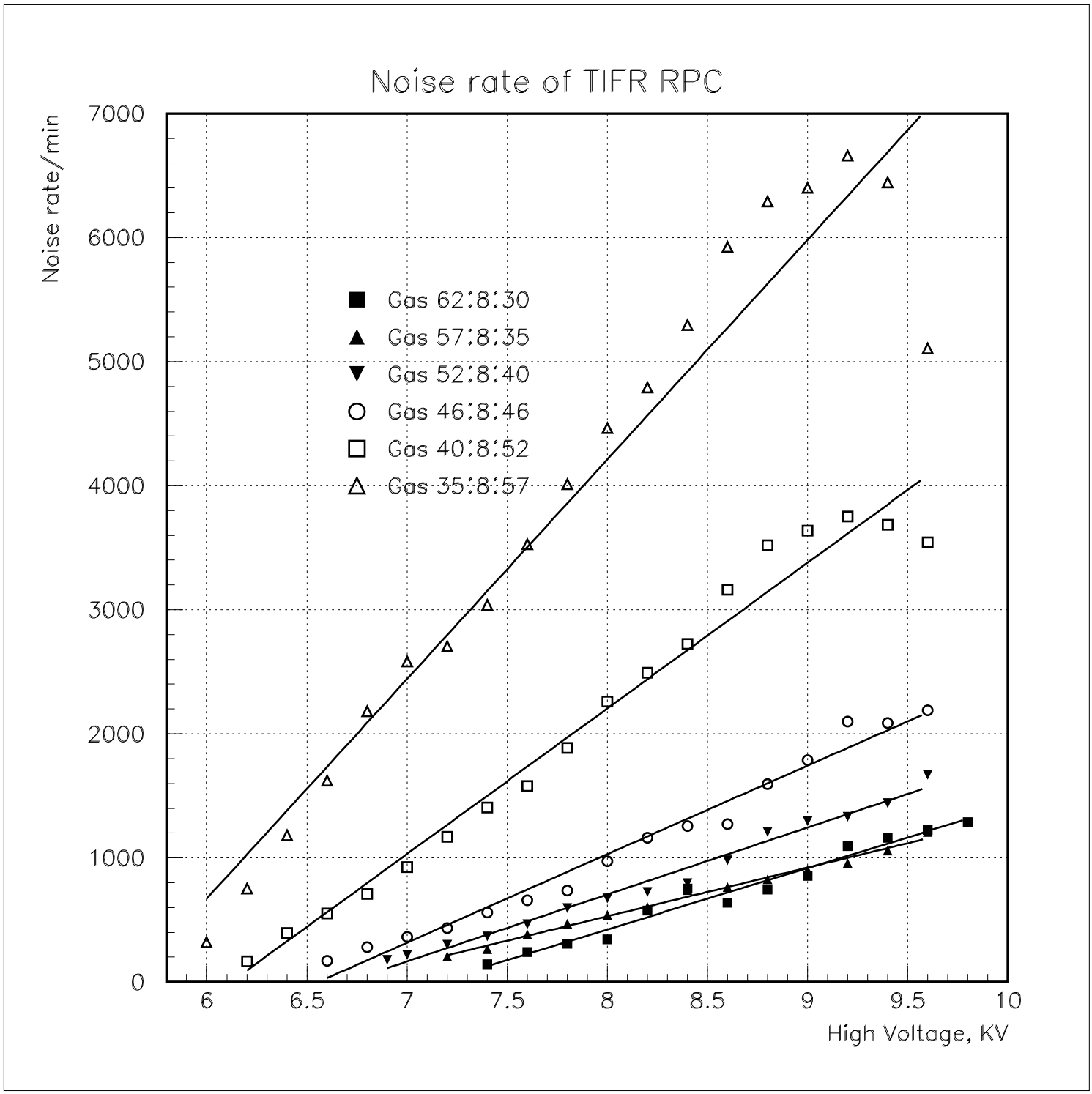

Time resolution plot of TIFR RPC (Gas 35:8:57)
Time, nSec
10
9
8
7
6
5
4
3
2
1
6
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
RPC
Telescope

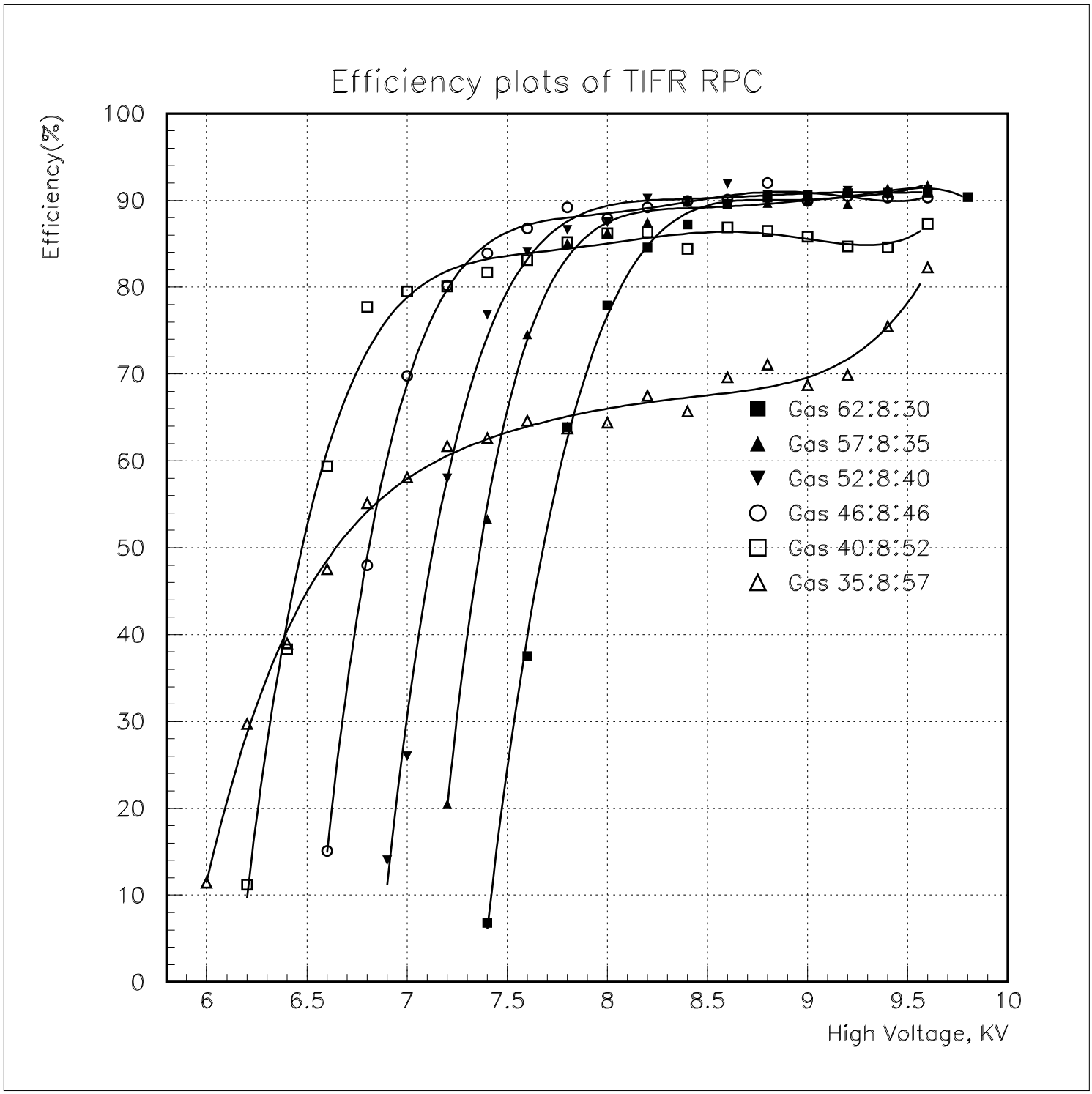

Time response plot of TIFR RPC (Gas 35:8:57)
Time, nSec
35
30
25
20
15
10
5
0
6
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV

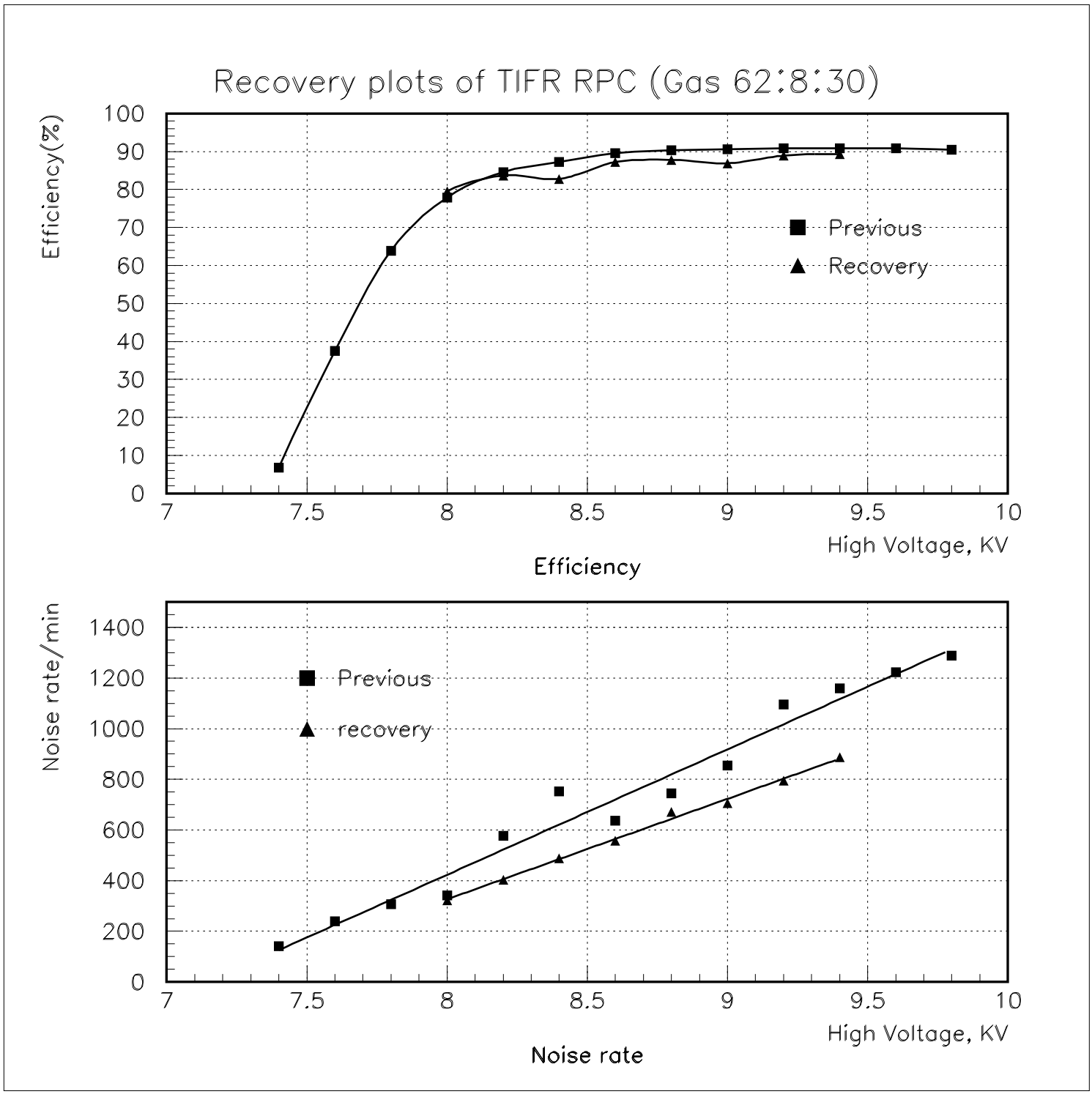

Noise rate of TIFR RPC (Gas 35:8:57)
Noise rate/min
7000
6000
5000
4000
3000
2000
1000
0
6
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
χ²/ndf 1.5552E+07/ 17
P1 −9949.
P2 1770.


Time resolution plot of TIFR RPC
Time, nSec
High Voltage, KV
Gas 52:8:40
Gas 46:8:46
Gas 40:8:52
Gas 35:8:57
10
9
8
7
6
5
4
3
2
1
6
6.5
7
7.5
8
8.5
9
9.5
10


Time response plot of TIFR RPC
Time, nSec
35
30
25
20
15
10
5
0
6
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
Gas 52:8:40
Gas 46:8:46
Gas 40:8:52
Gas 35:8:57


Noise rate of TIFR RPC
Noise rate/min
7000
6000
5000
4000
3000
2000
1000
0
6
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
Gas 62:8:30
Gas 57:8:35
Gas 52:8:40
Gas 46:8:46
Gas 40:8:52
Gas 35:8:57


Efficiency plots of TIFR RPC
Efficiency(%)
100
90
80
70
60
50
40
30
20
10
0
6
6.5
7
7.5
8
8.5
9
9.5
10
High Voltage, KV
Gas 62:8:30
Gas 57:8:35
Gas 52:8:40
Gas 46:8:46
Gas 40:8:52
Gas 35:8:57


Recovery plots of TIFR RPC (Gas 62:8:30)
Efficiency(%)
100
90
80
70
60
50
40
30
20
10
0
7
7.5
8
8.5
9
9.5
10
Previous
Recovery
High Voltage, KV
Efficiency
Noise rate/min
1400
1200
1000
800
600
400
200
0
Previous
recovery
High Voltage, KV
Noise rate