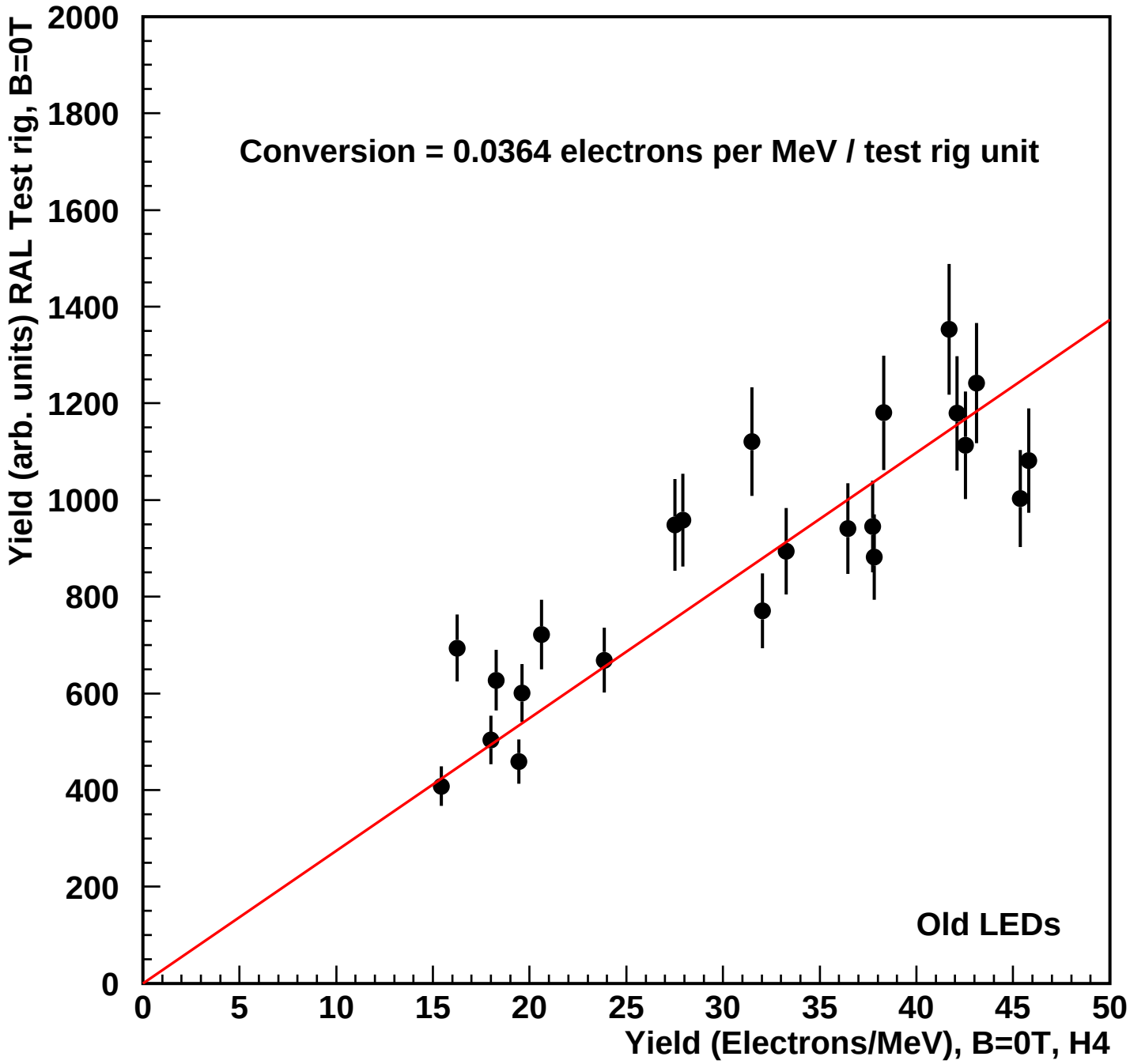
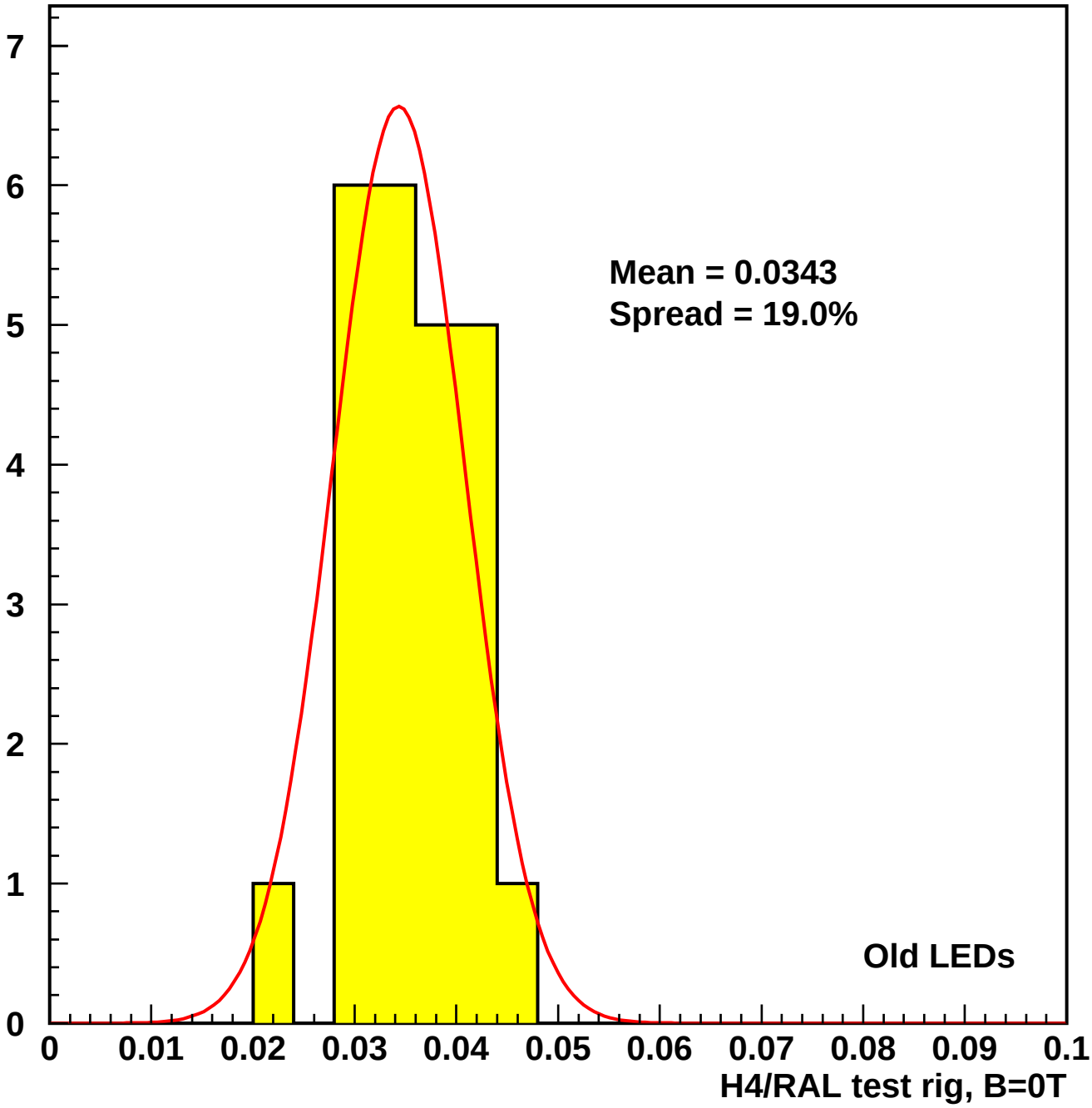
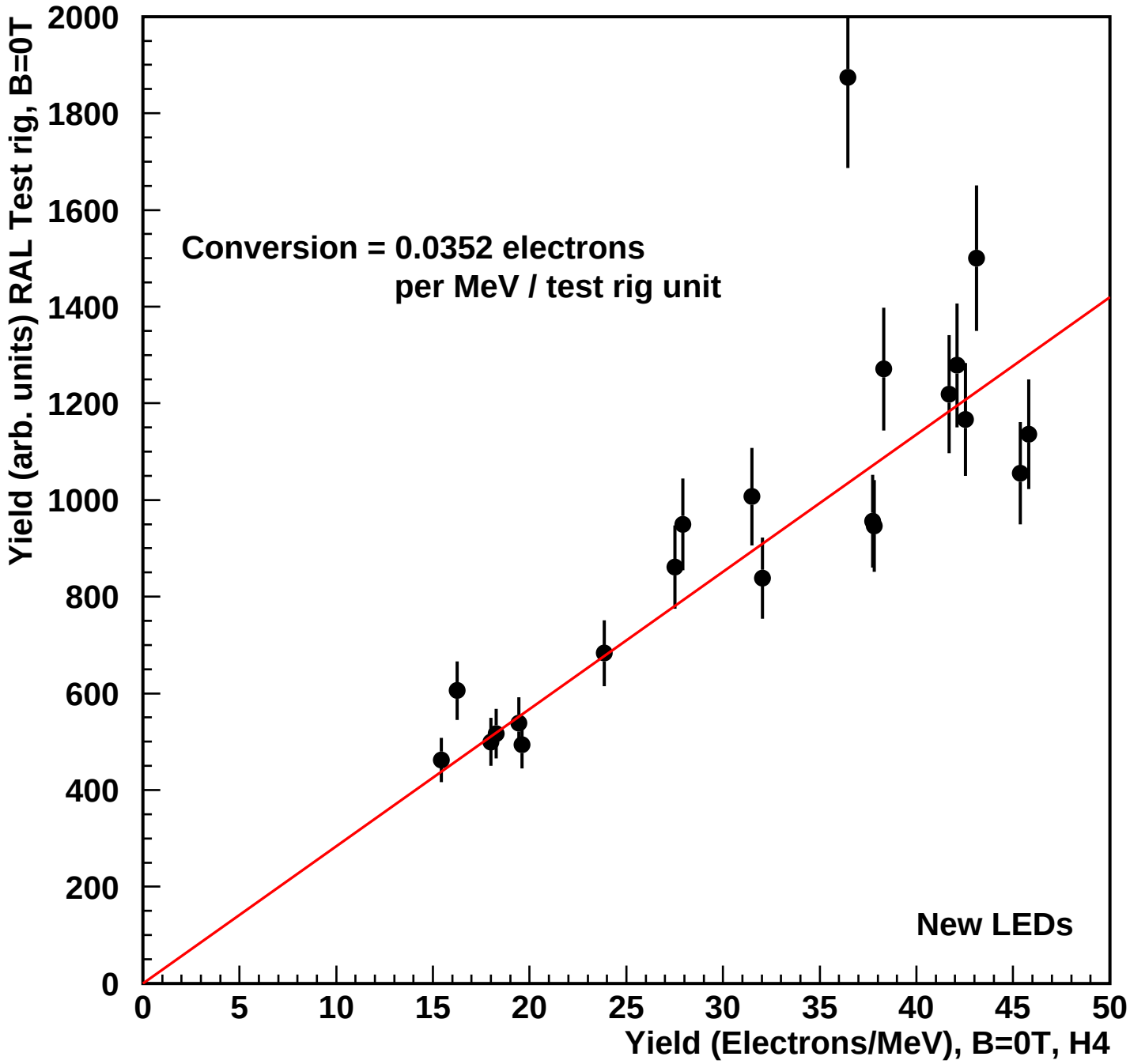
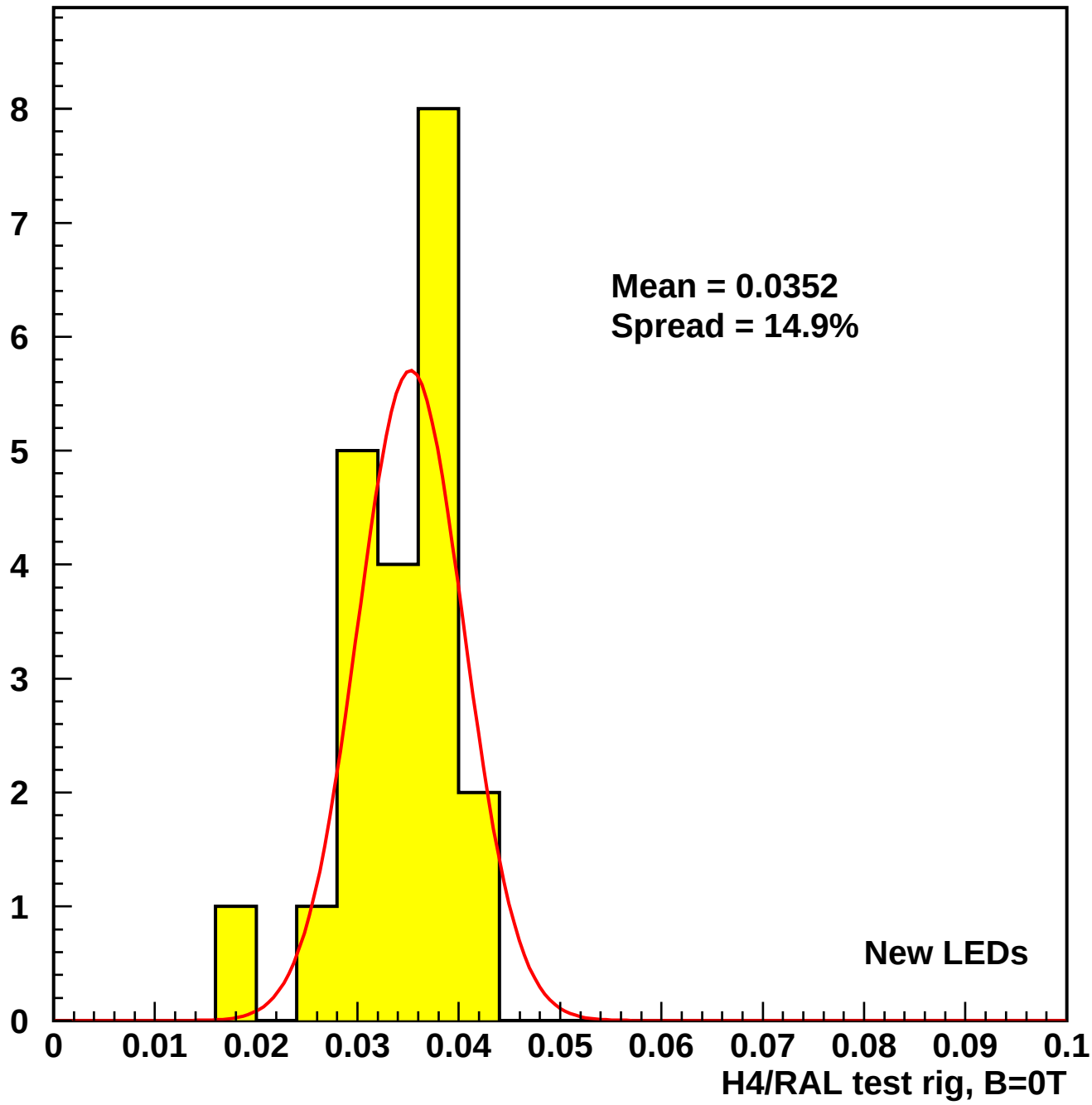
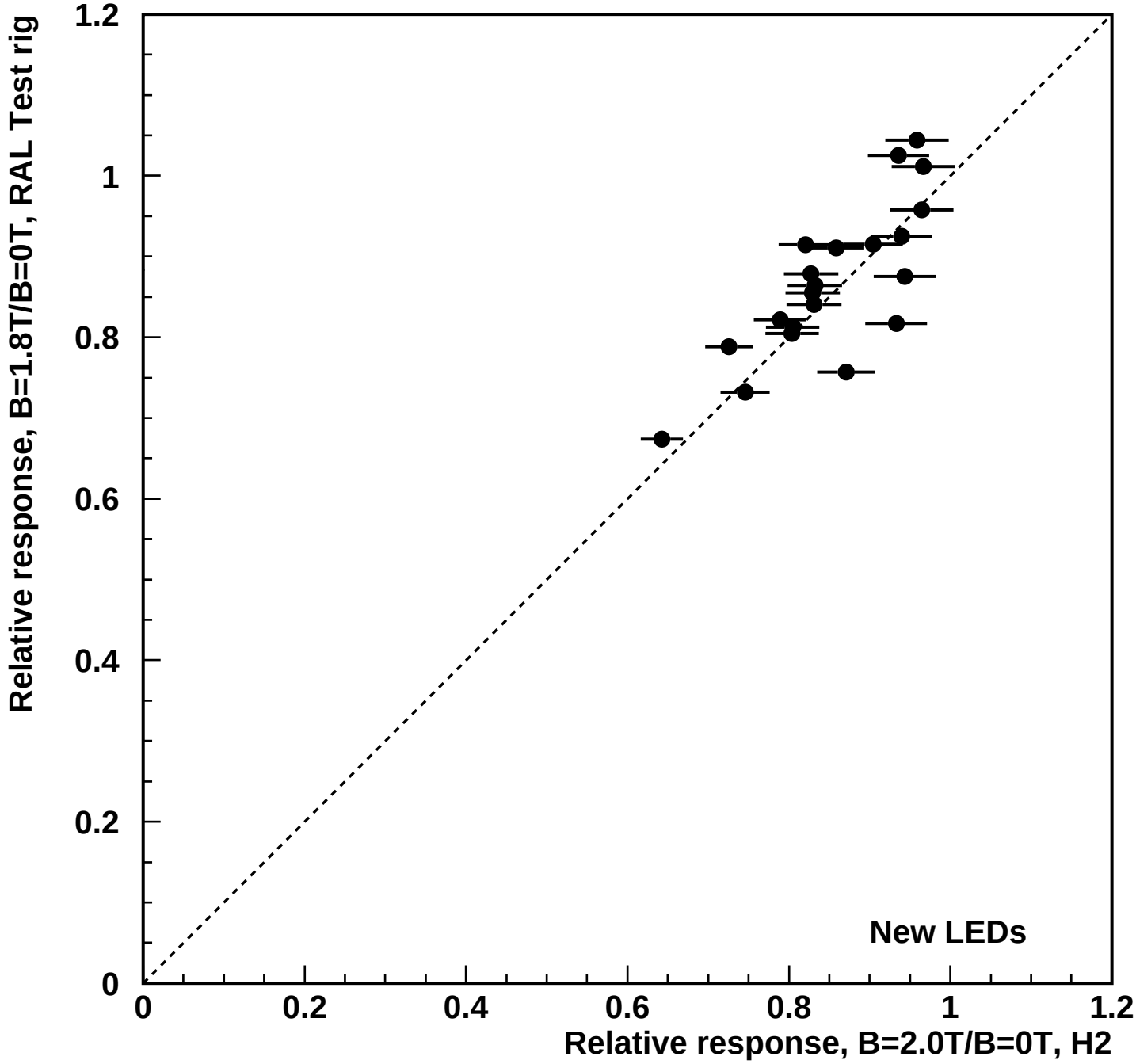
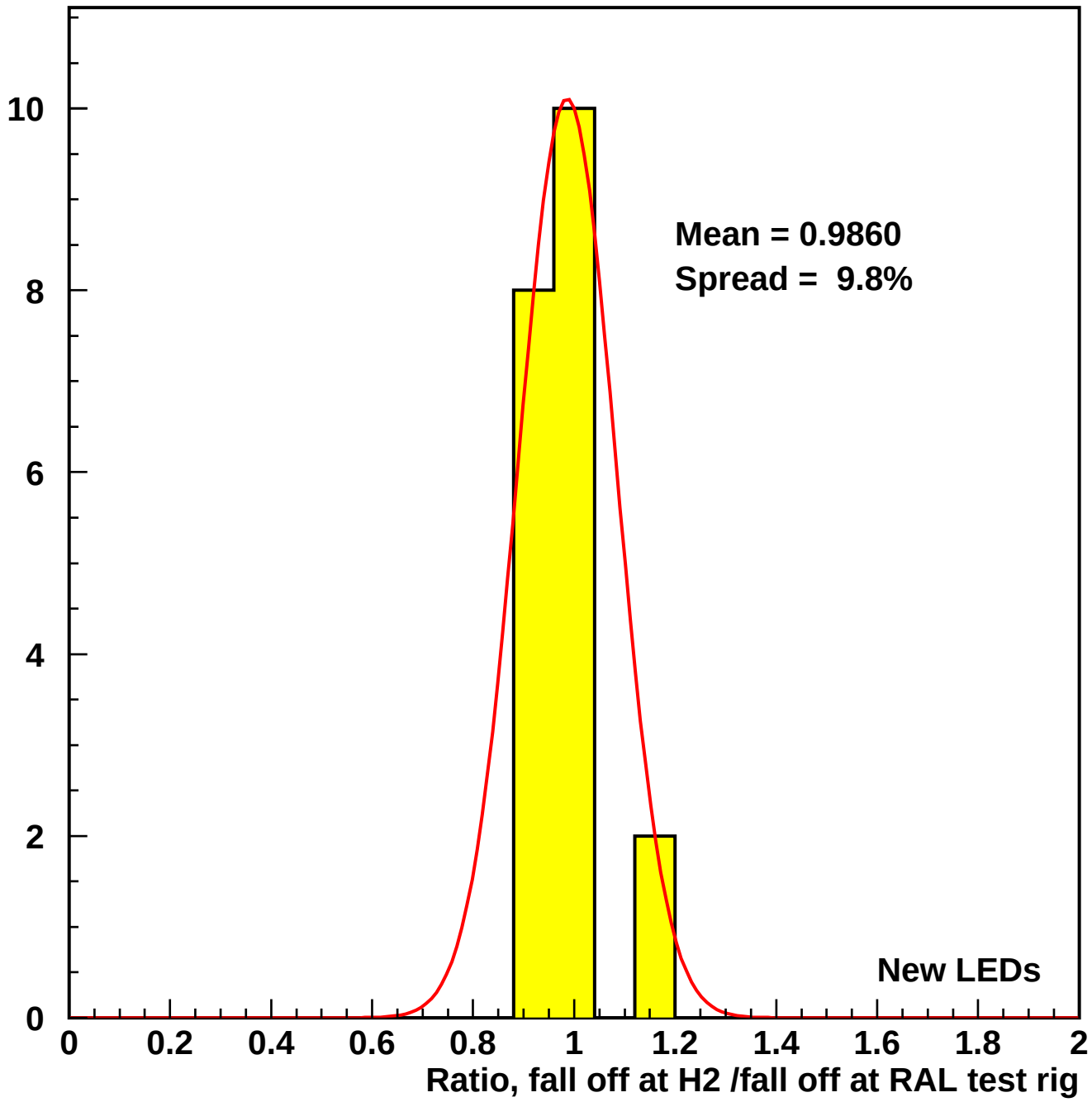

Conversion = 0.0364 electrons per MeV / test rig unit
Old LEDs
Yield (arb. units) RAL Test rig, B=0T
Yield (Electrons/MeV), B=0T, H4
0
200
400
600
800
1000
1200
1400
1600
1800
2000
0
5
10
15
20
25
30
35
40
45
50

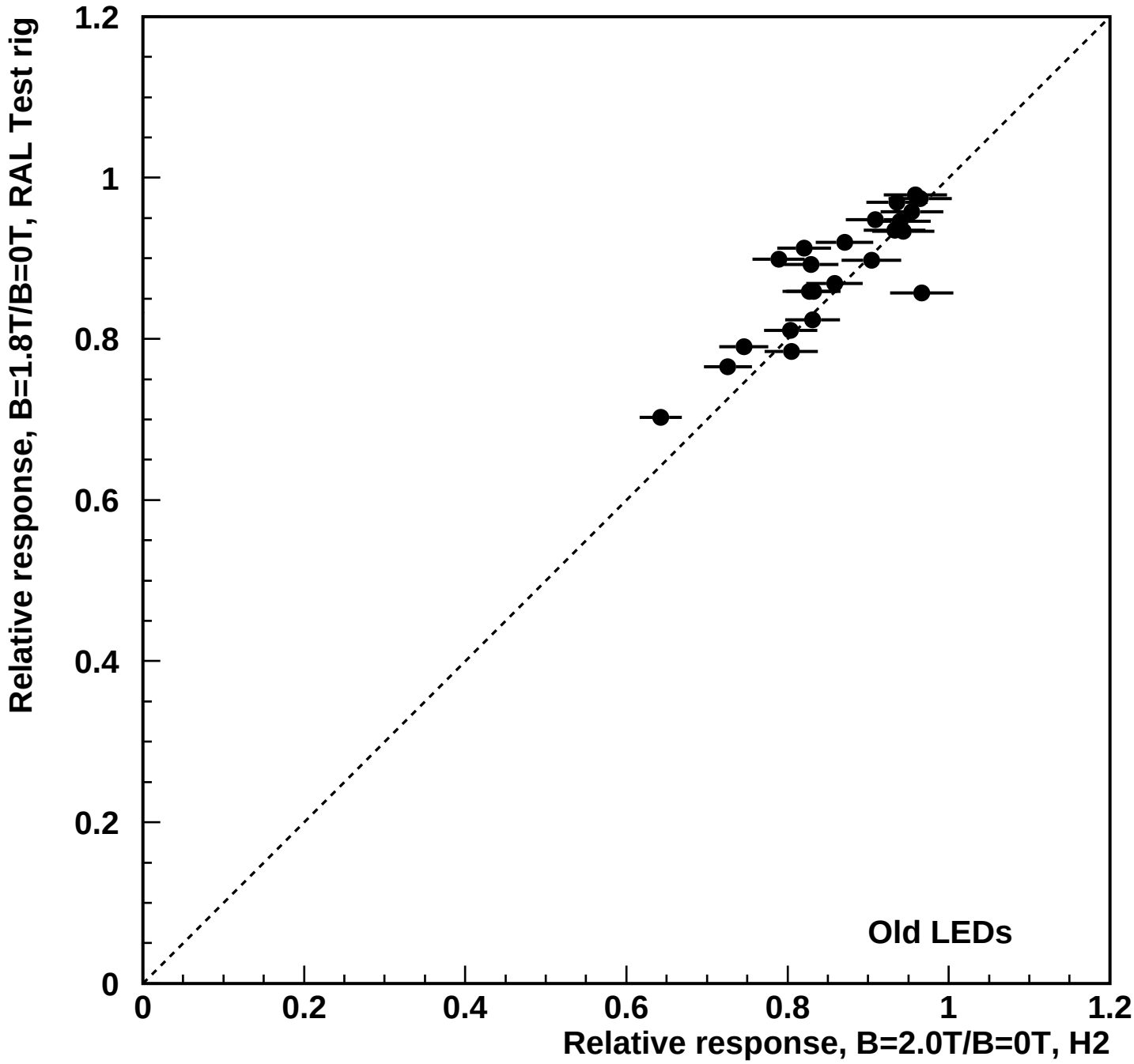

Mean = 0.0343
Spread = 19.0%
Old LEDs
0
1
2
3
4
5
6
7
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
H4/RAL test rig, B=0T

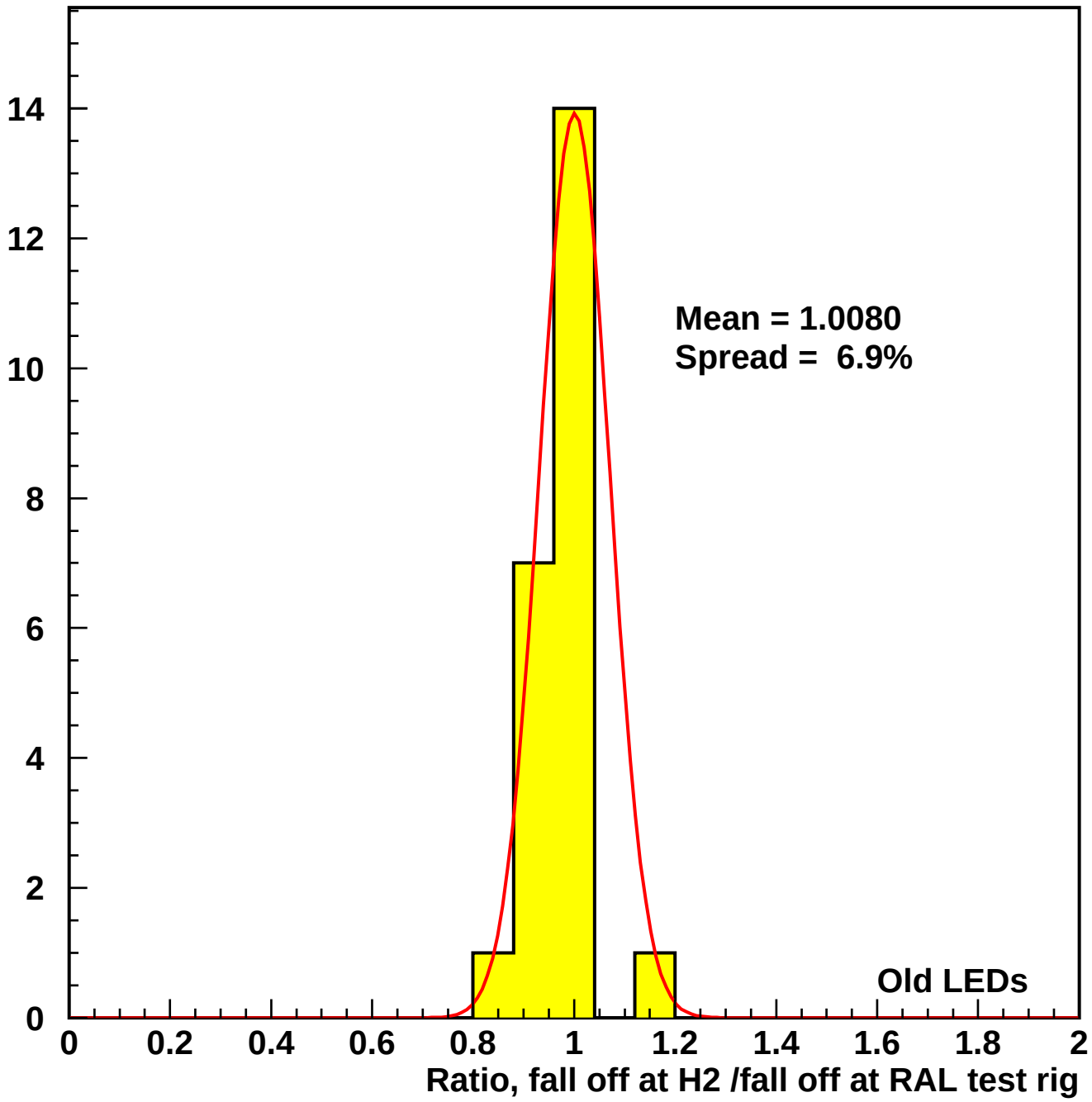

Conversion = 0.0352 electrons
per MeV / test rig unit
New LEDs
Yield (arb. units) RAL Test rig, B=0T
Yield (Electrons/MeV), B=0T, H4
0
200
400
600
800
1000
1200
1400
1600
1800
2000
0
5
10
15
20
25
30
35
40
45
50


Mean = 0.0352
Spread = 14.9%
New LEDs
0
1
2
3
4
5
6
7
8
0
0.01
0.02
0.03
0.04
0.05
0.06
0.07
0.08
0.09
0.1
H4/RAL test rig, B=0T


Relative response, B=1.8T/B=0T, RAL Test rig
Relative response, B=2.0T/B=0T, H2
New LEDs
0
0.2
0.4
0.6
0.8
1
1.2


Mean = 0.9860
Spread = 9.8%
New LEDs
0
2
4
6
8
10
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Ratio, fall off at H2 /fall off at RAL test rig


Relative response, B=1.8T/B=0T, RAL Test rig
Relative response, B=2.0T/B=0T, H2
Old LEDs
0
0.2
0.4
0.6
0.8
1
1.2


Mean = 1.0080
Spread = 6.9%
Old LEDs
0
2
4
6
8
10
12
14
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
Ratio, fall off at H2 /fall off at RAL test rig