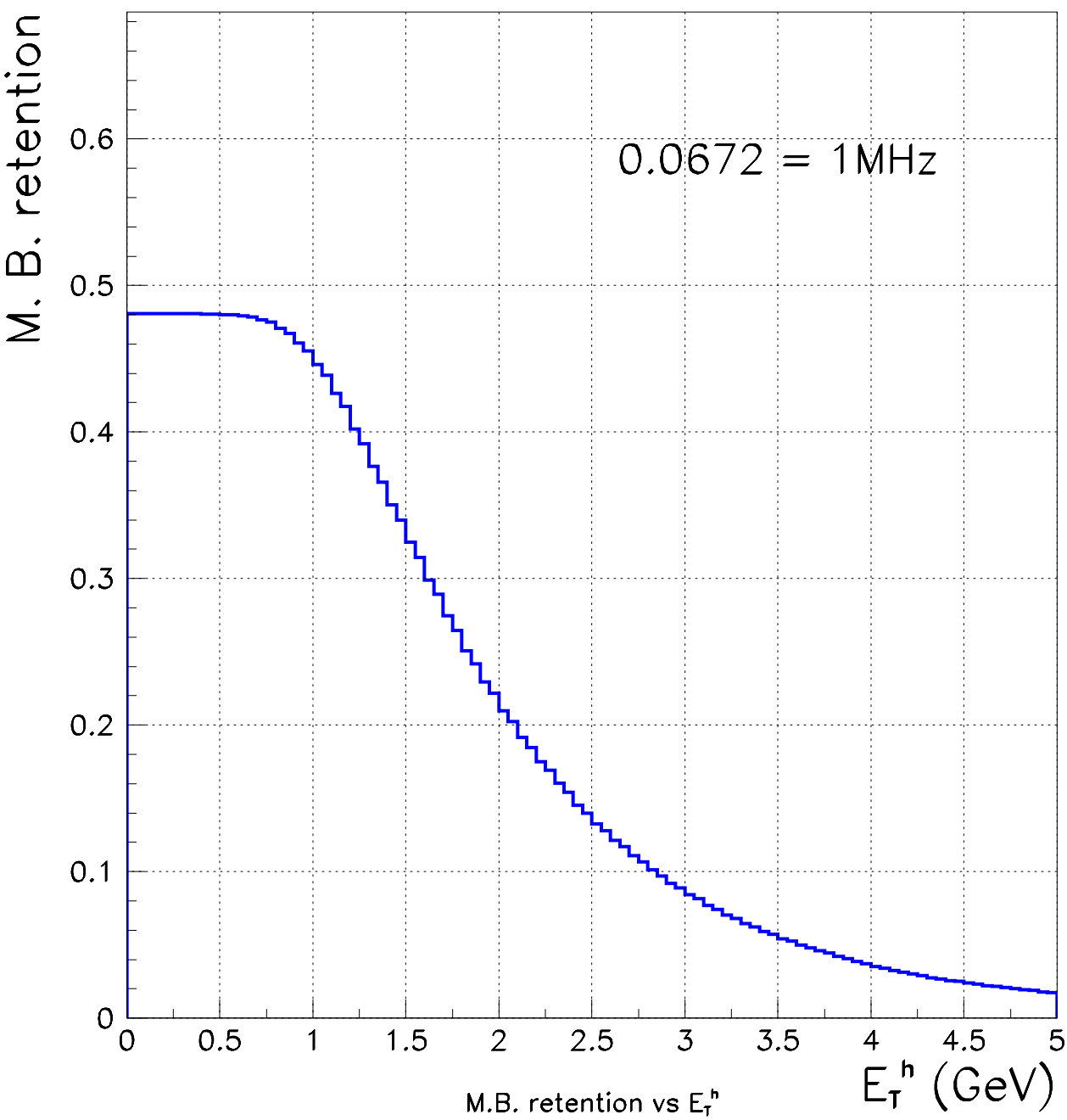
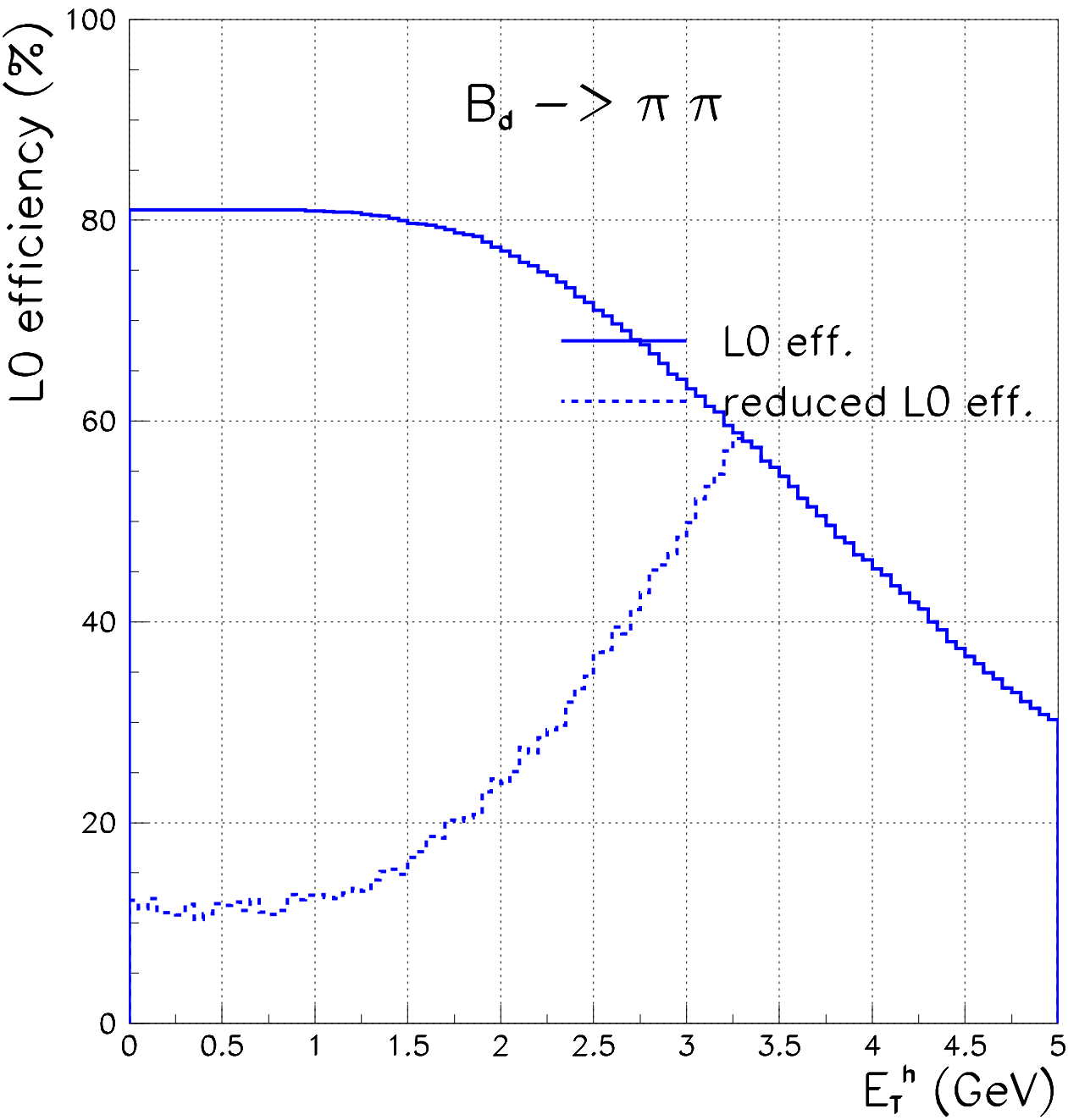
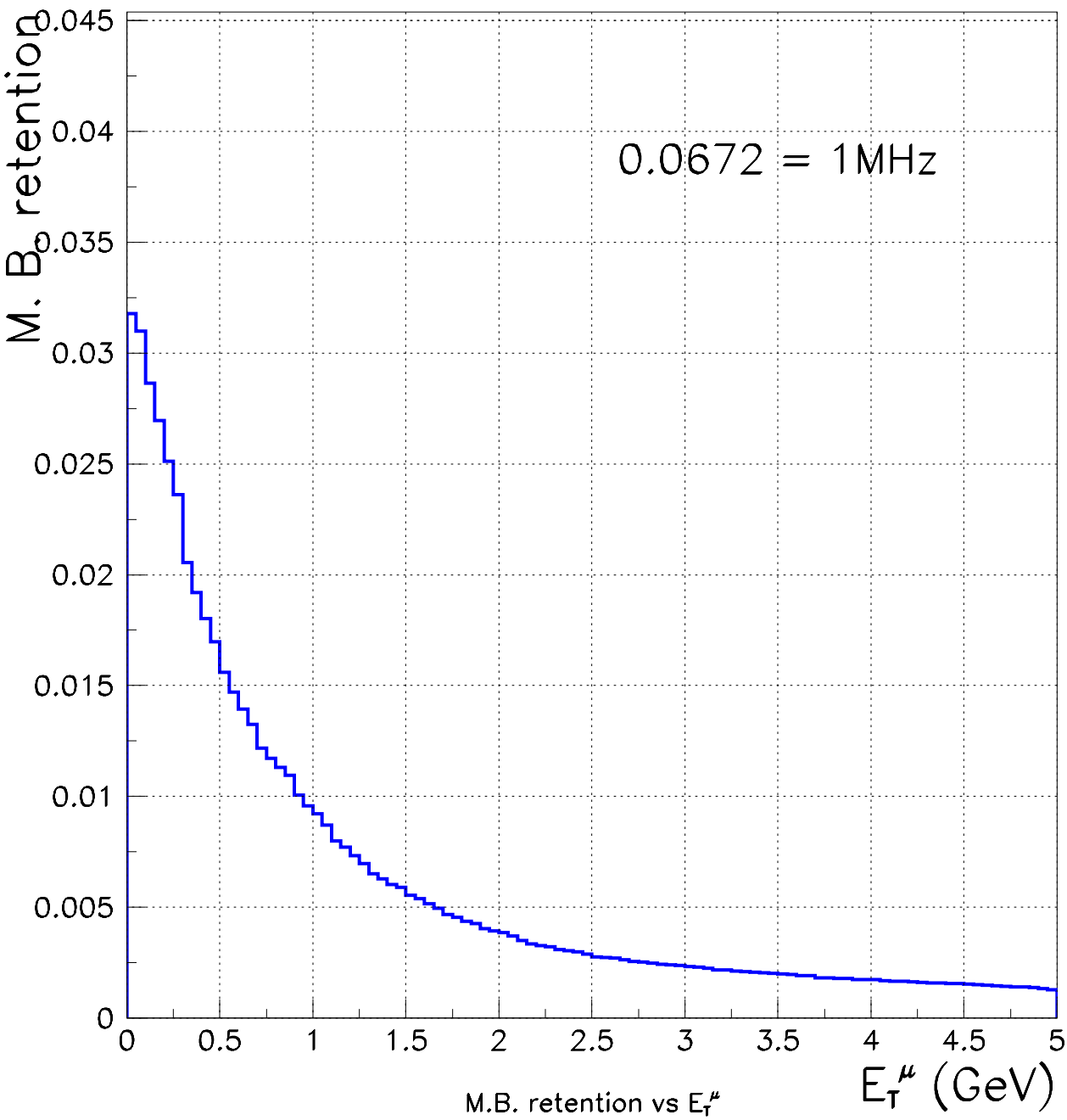
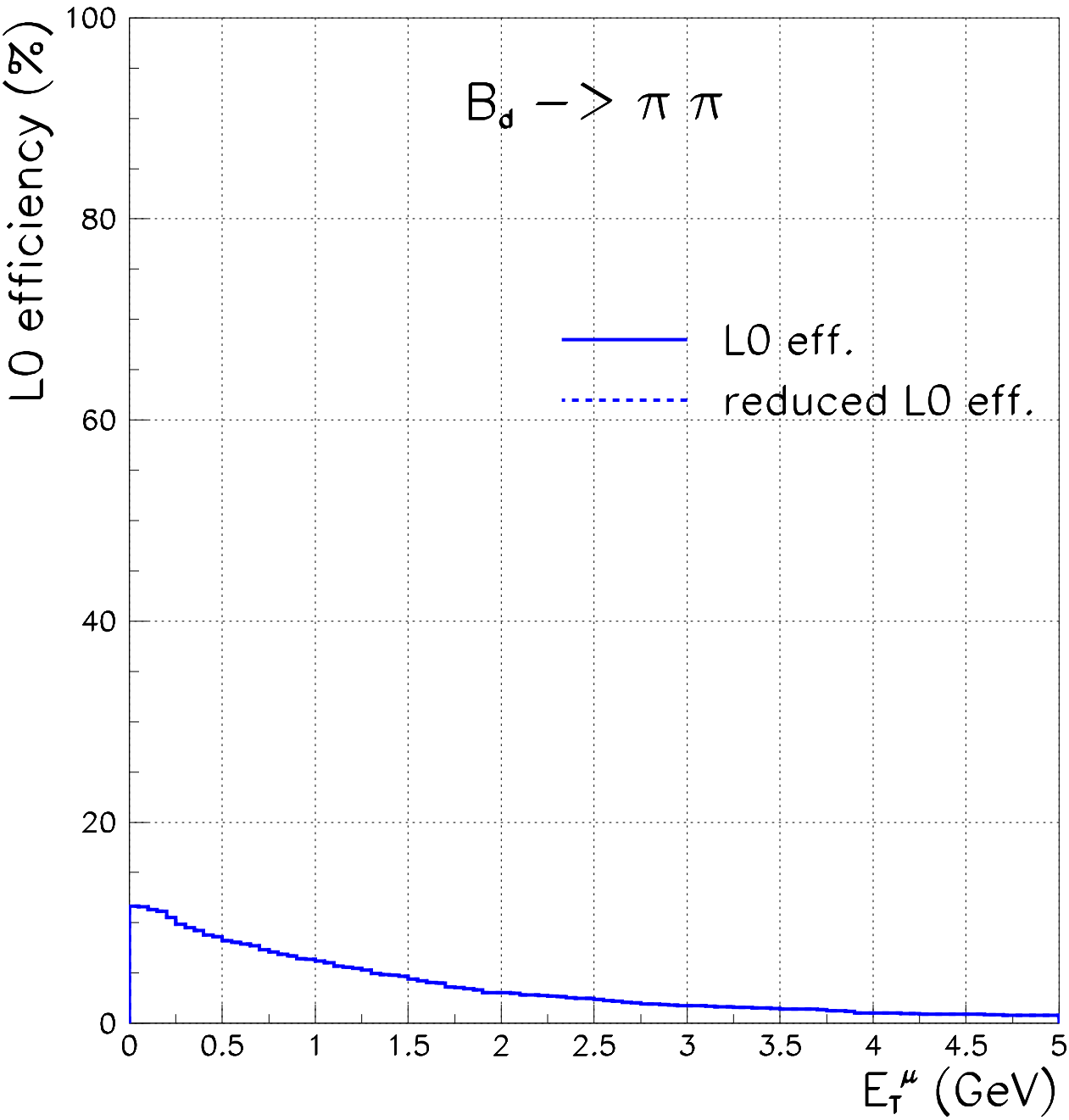


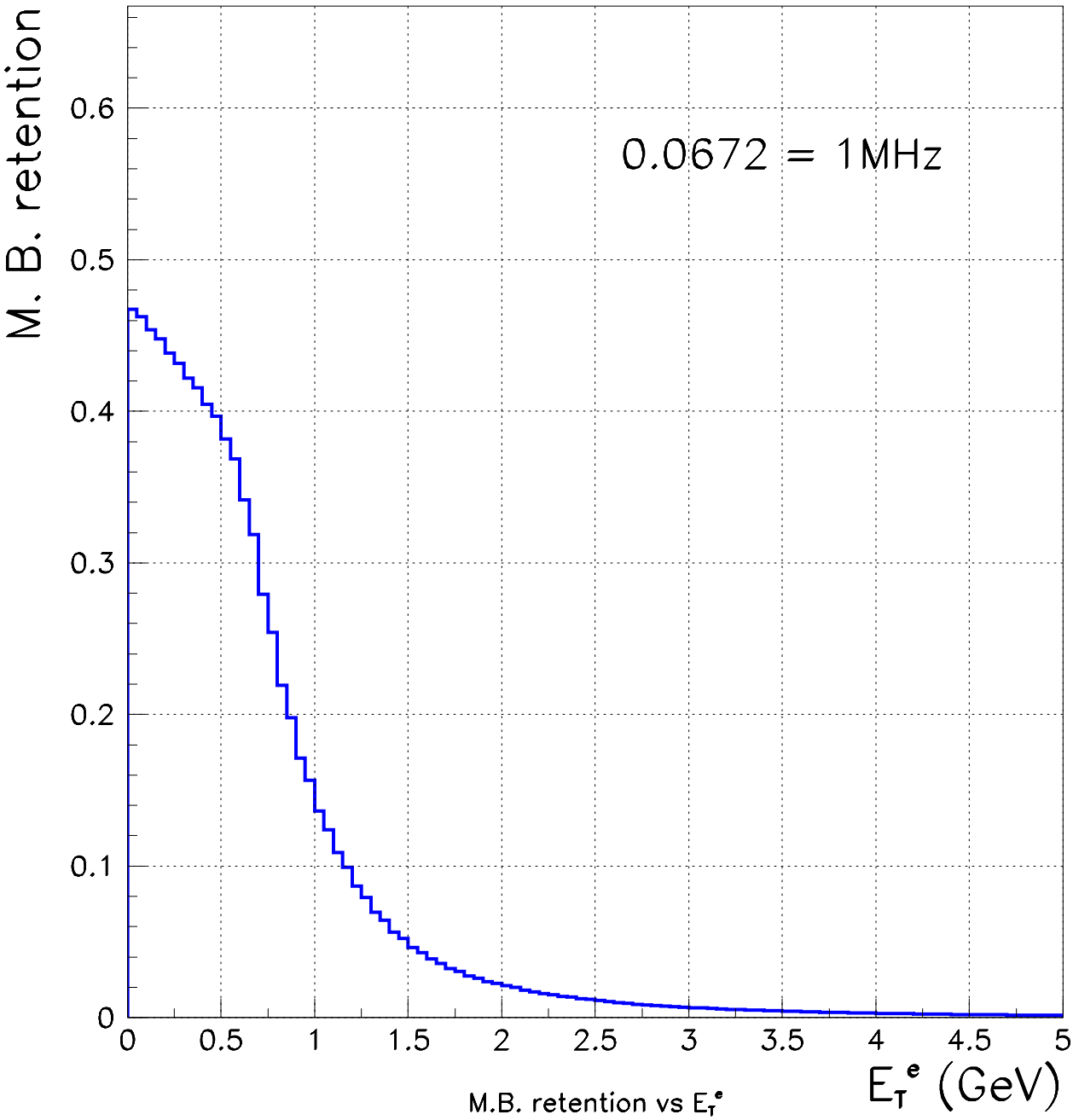
M.B. retention vs E_T^h

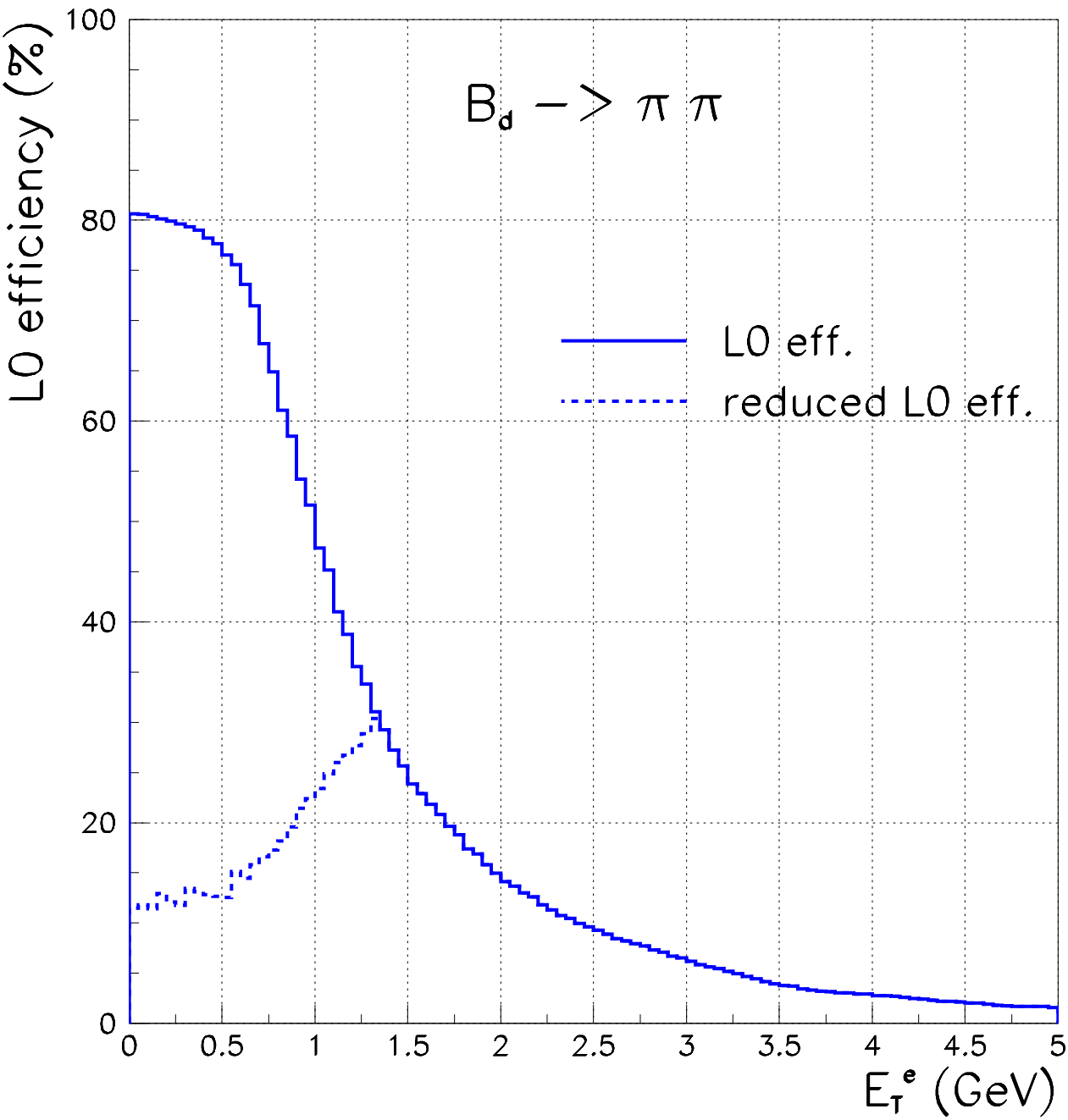

L0 efficiency (%)
100
80
60
40
20
0
$B_d -> \pi \pi$
L0 eff.
reduced L0 eff.
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
E_T^h (GeV)

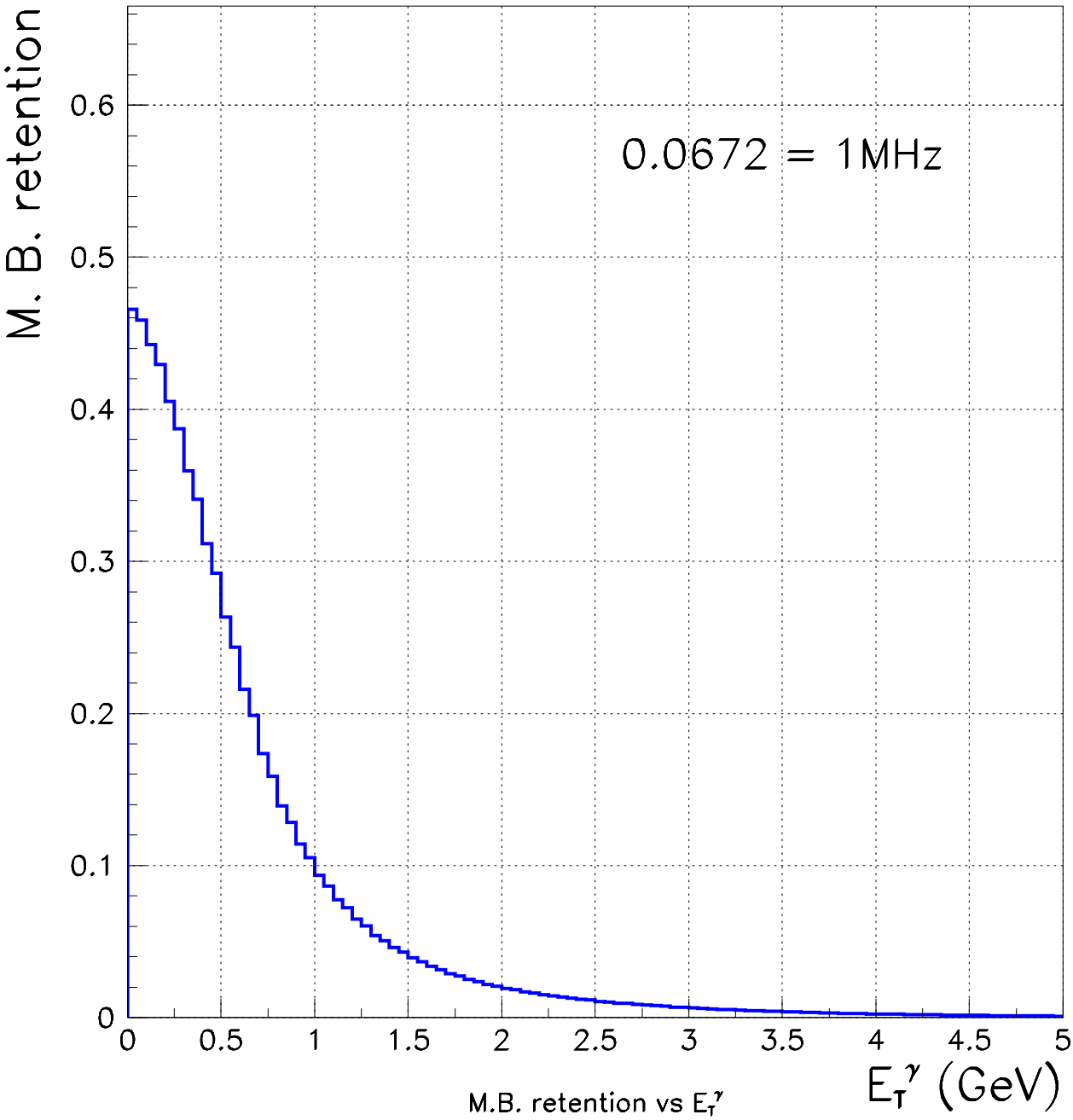


M.B. retention vs E_T^{μ}

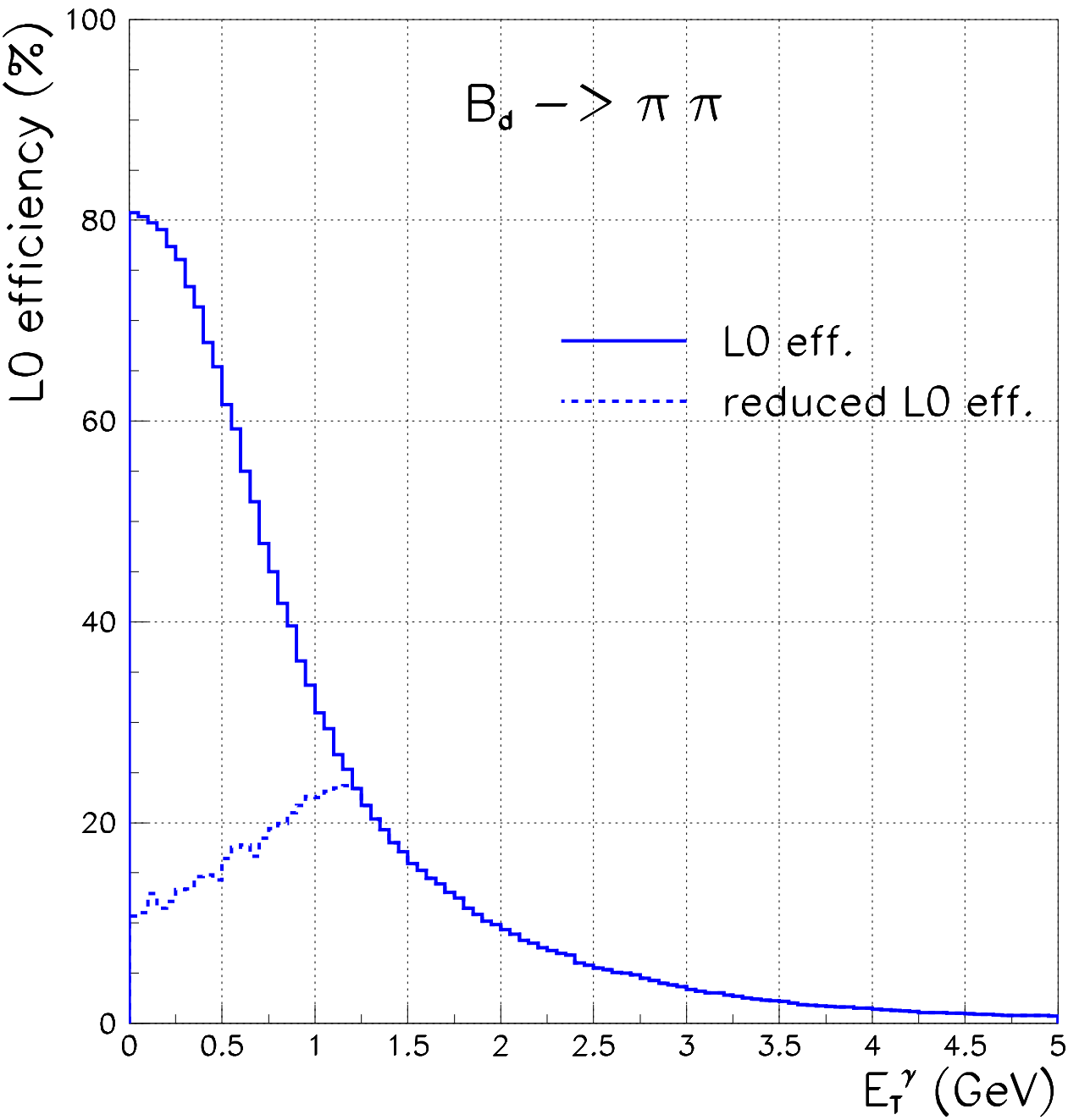

L0 efficiency (%)
100
80
60
40
20
0
$B_d -> \pi \pi$
L0 eff.
reduced L0 eff.
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
E_T^μ (GeV)

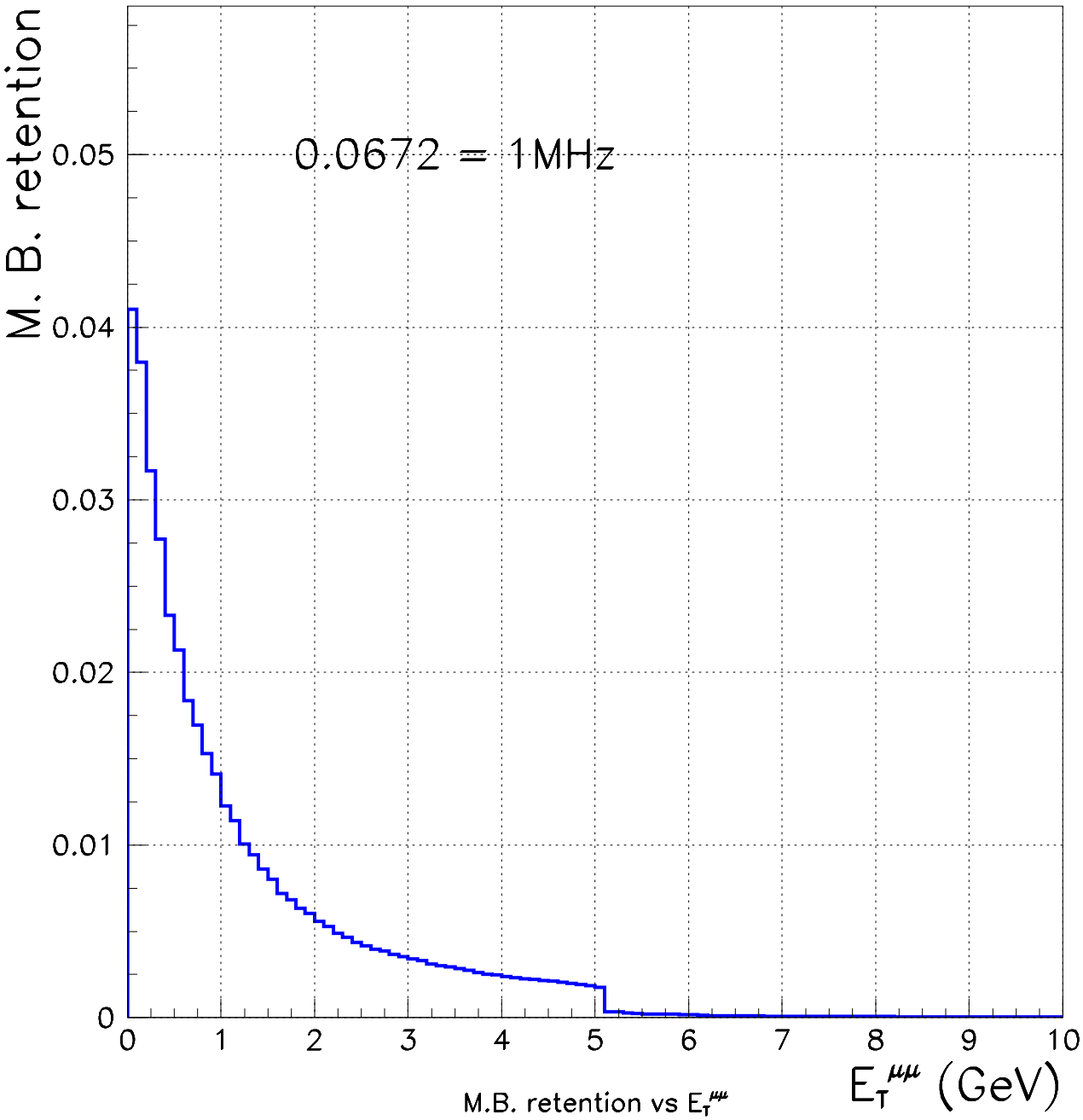

M. B. retention
0.0672 = 1MHz
0
0.1
0.2
0.3
0.4
0.5
0.6
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
E_T^e (GeV)
M.B. retention vs E_T^e

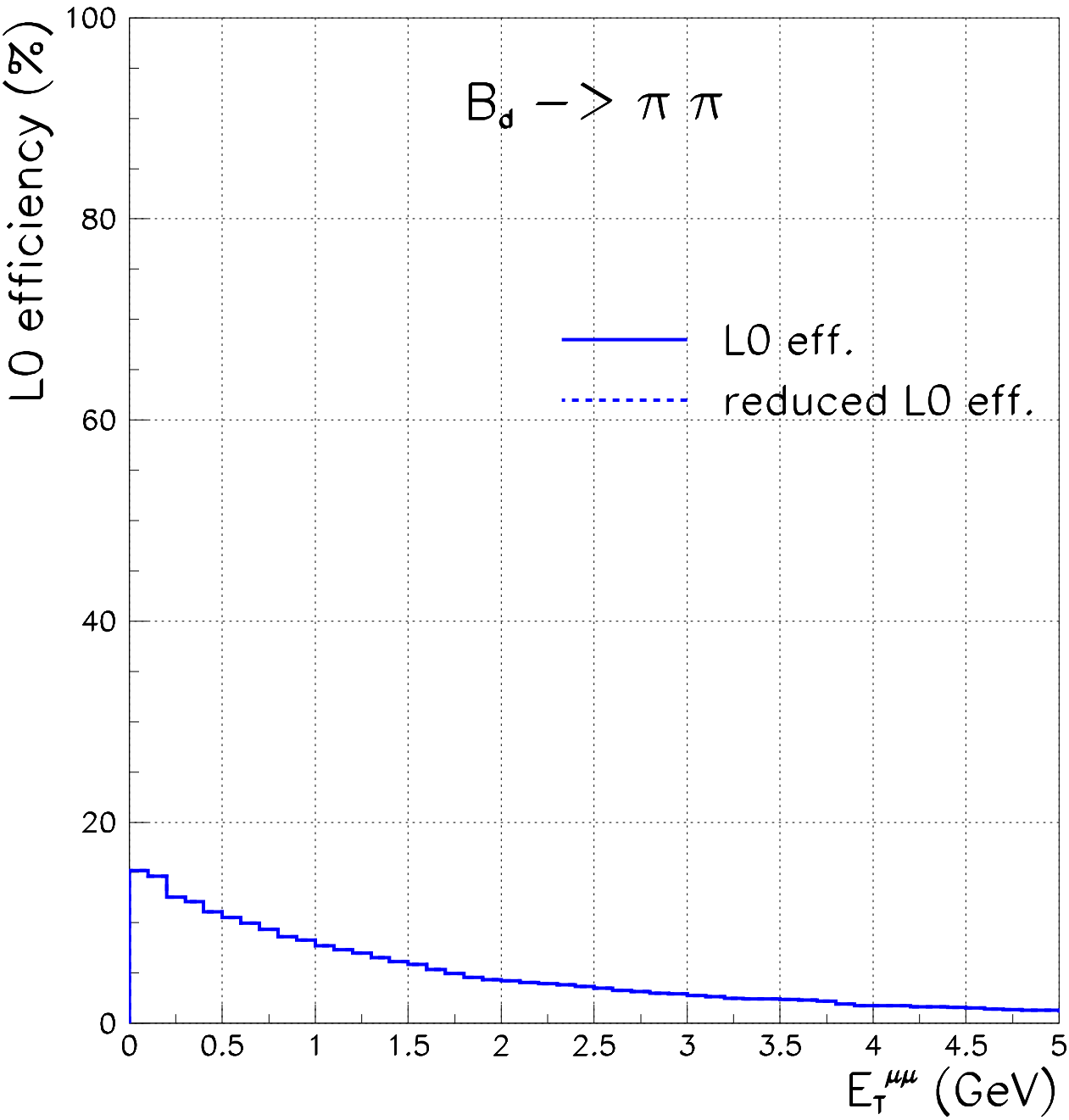

L0 efficiency (%)
100
80
60
40
20
0
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
E_T^e (GeV)
$B_d -> \pi\ \pi$
L0 eff.
reduced L0 eff.

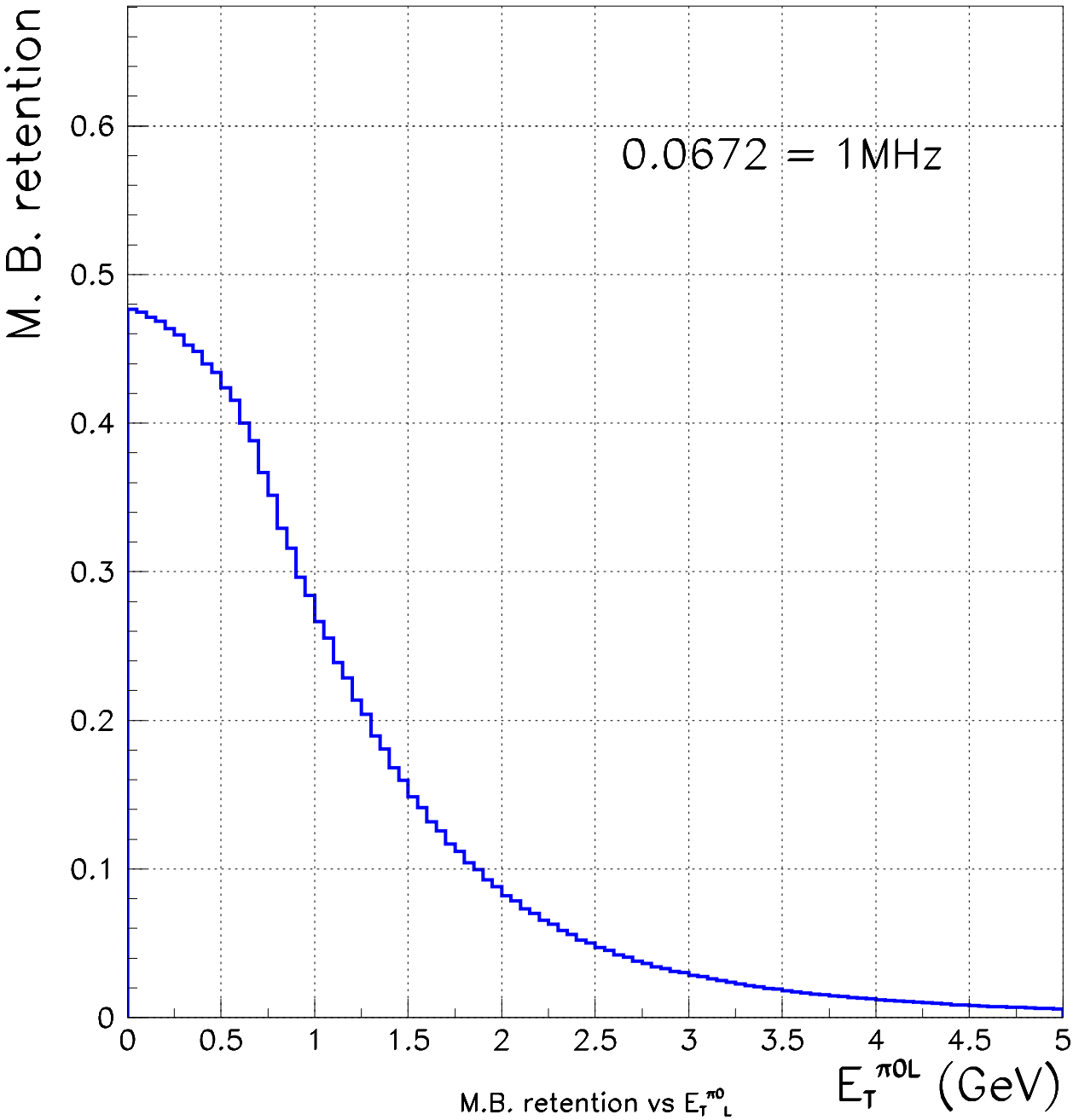


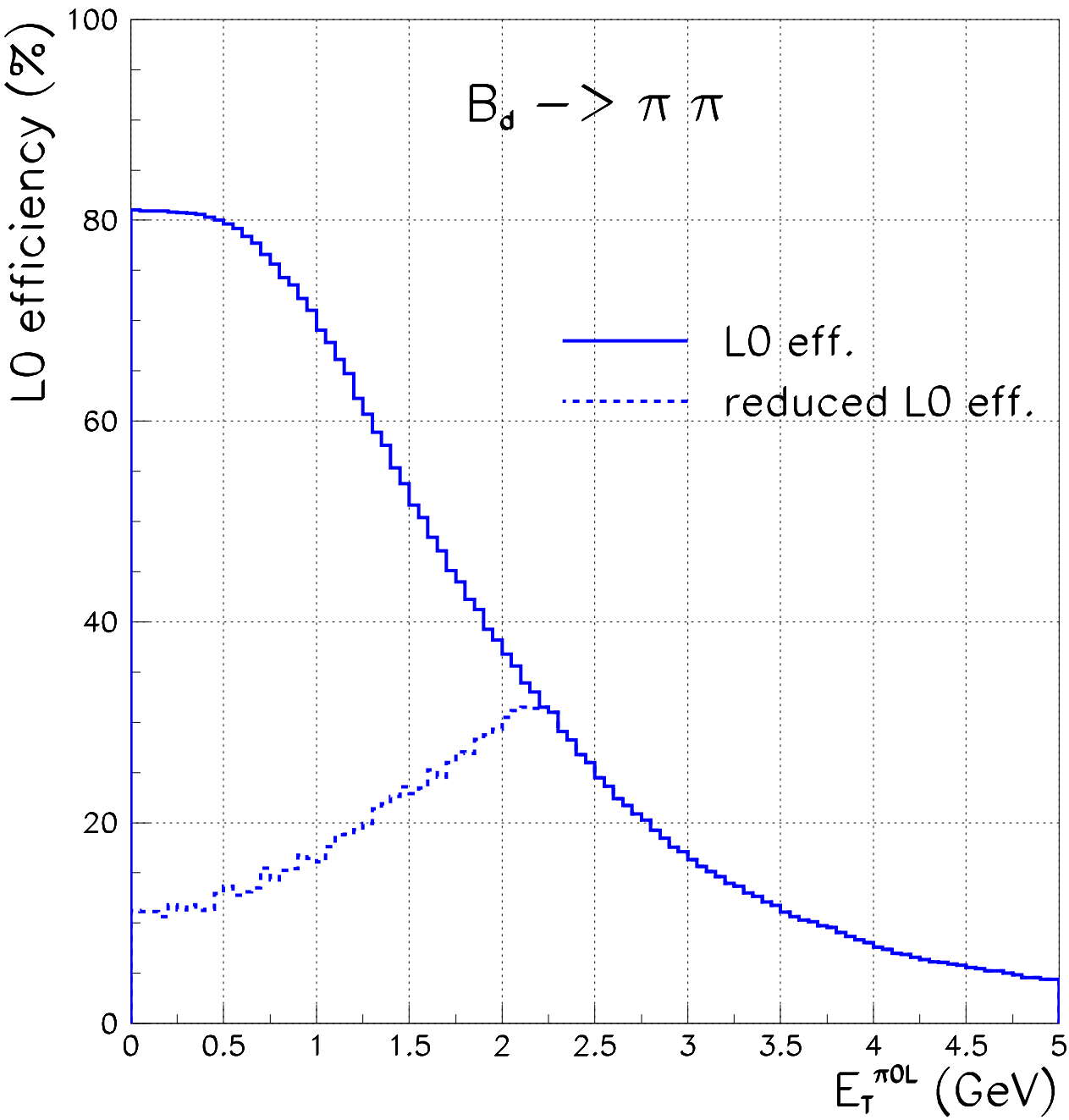
M.B. retention vs E_T^γ

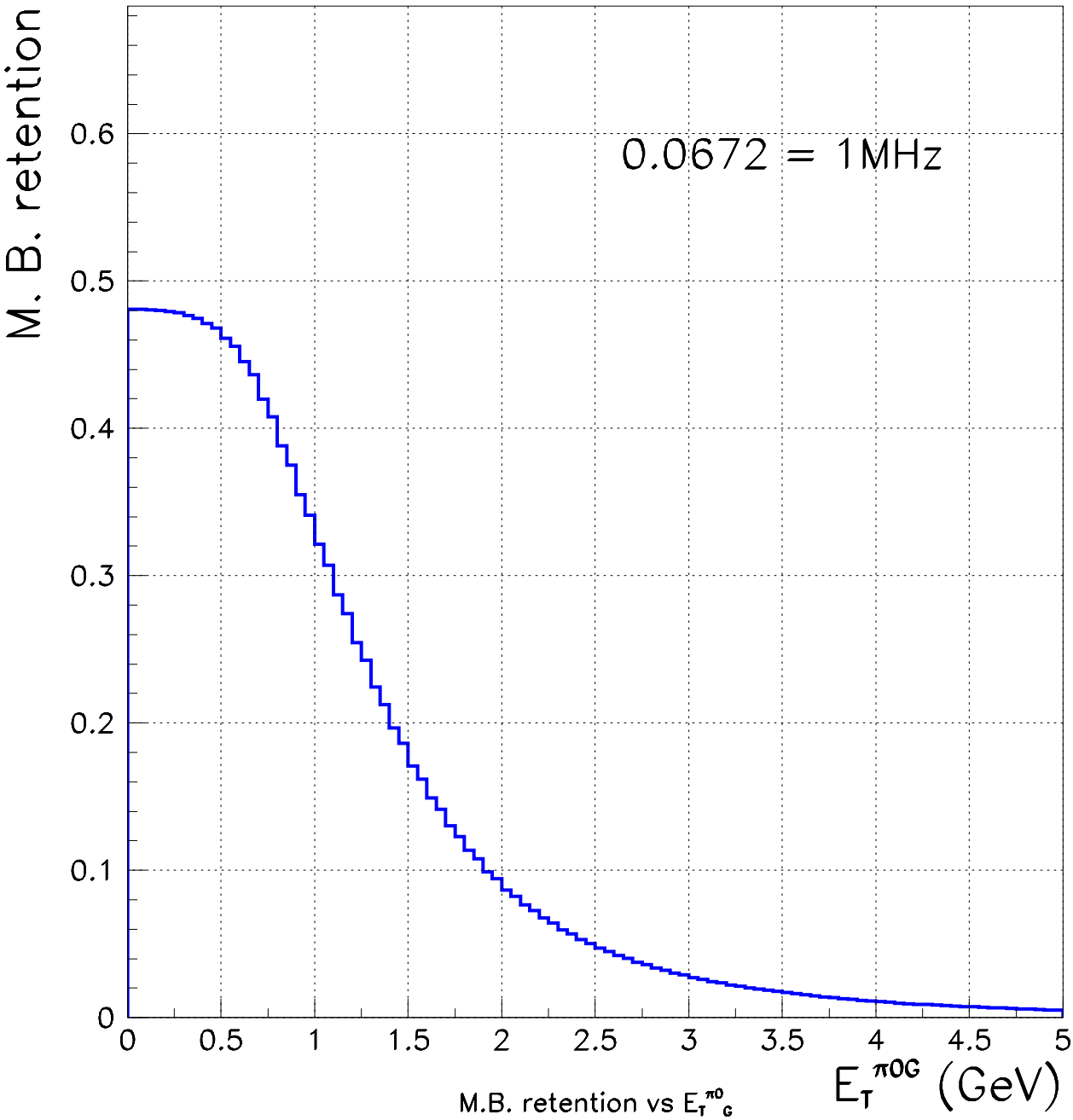

L0 efficiency (%)
100
80
60
40
20
0
$B_d -> \pi \pi$
L0 eff.
reduced L0 eff.
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
E_T^γ (GeV)

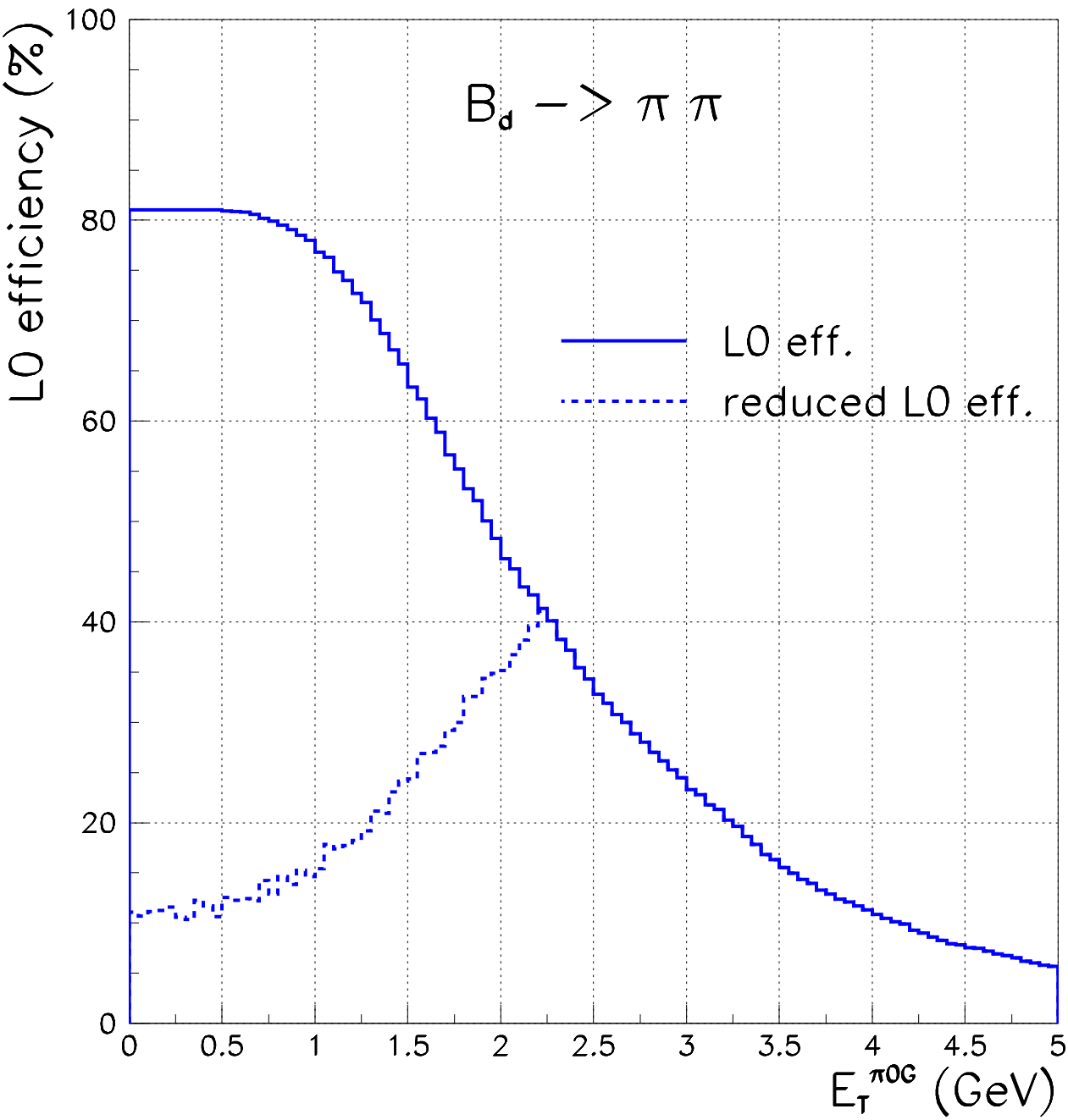

M. B. retention
0.0672 = 1MHz
0.05
0.04
0.03
0.02
0.01
0
0
1
2
3
4
5
6
7
8
9
10
$E_T^{\mu\mu}$ (GeV)
M.B. retention vs $E_T^{\mu\mu}$

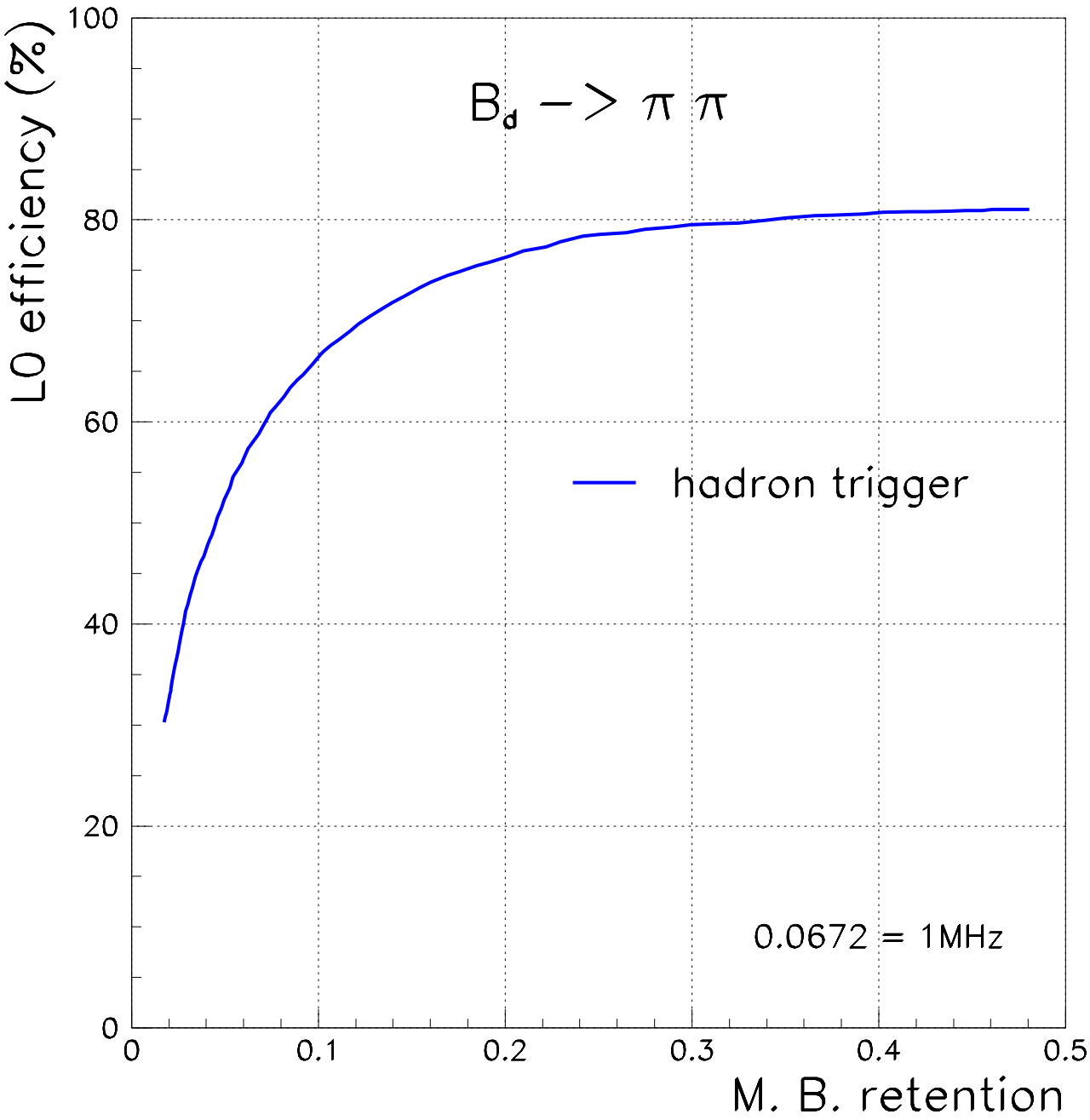

L0 efficiency (%)
100
80
60
40
20
0
$B_d -> \pi \pi$
L0 eff.
reduced L0 eff.
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
$E_T^{\mu\mu}$ (GeV)

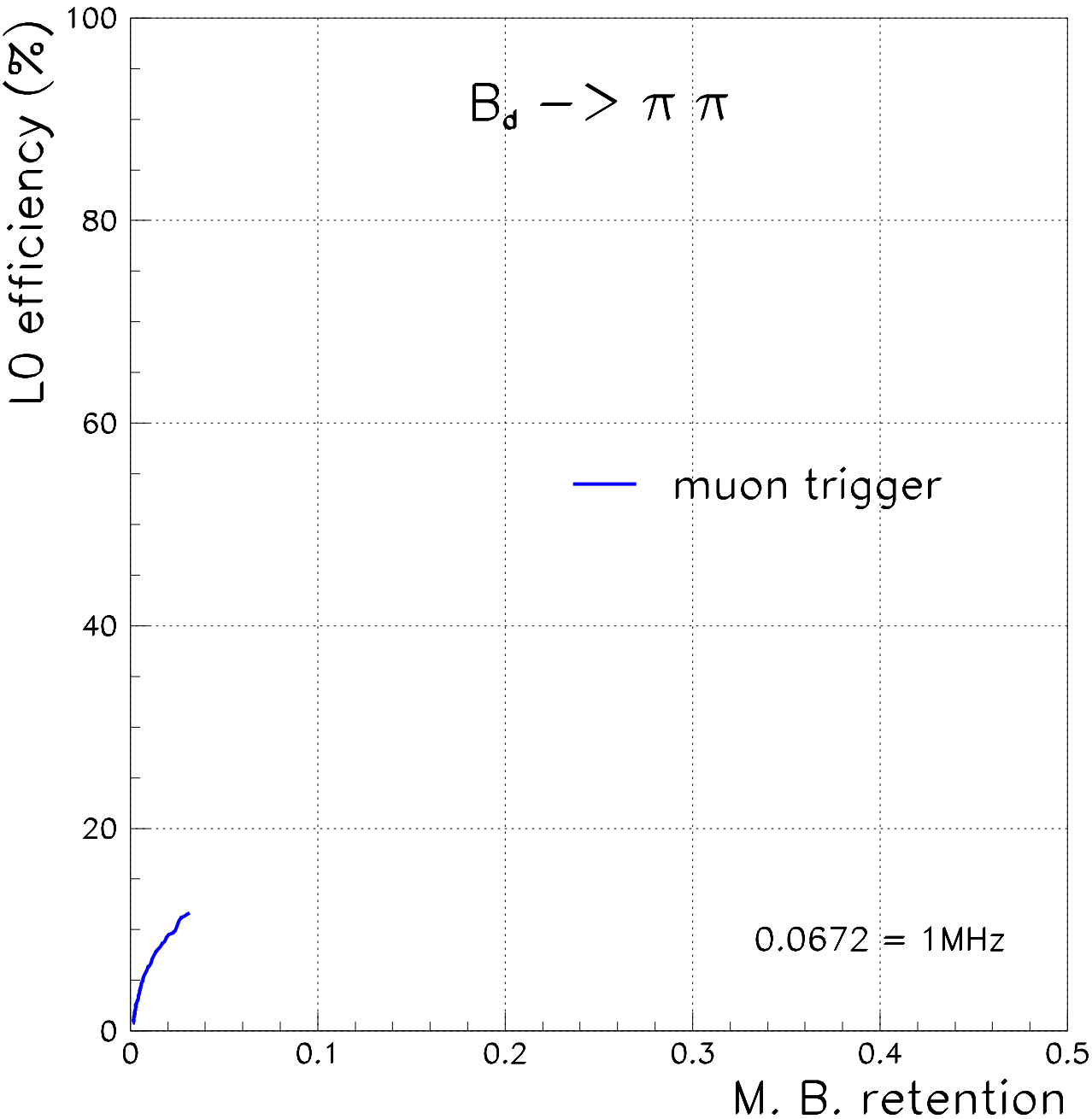

M. B. retention
0.0672 = 1MHz
0
0.1
0.2
0.3
0.4
0.5
0.6
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
$E_T^{\pi 0 L}$ (GeV)
M.B. retention vs $E_T^{\pi^0}{}_L$

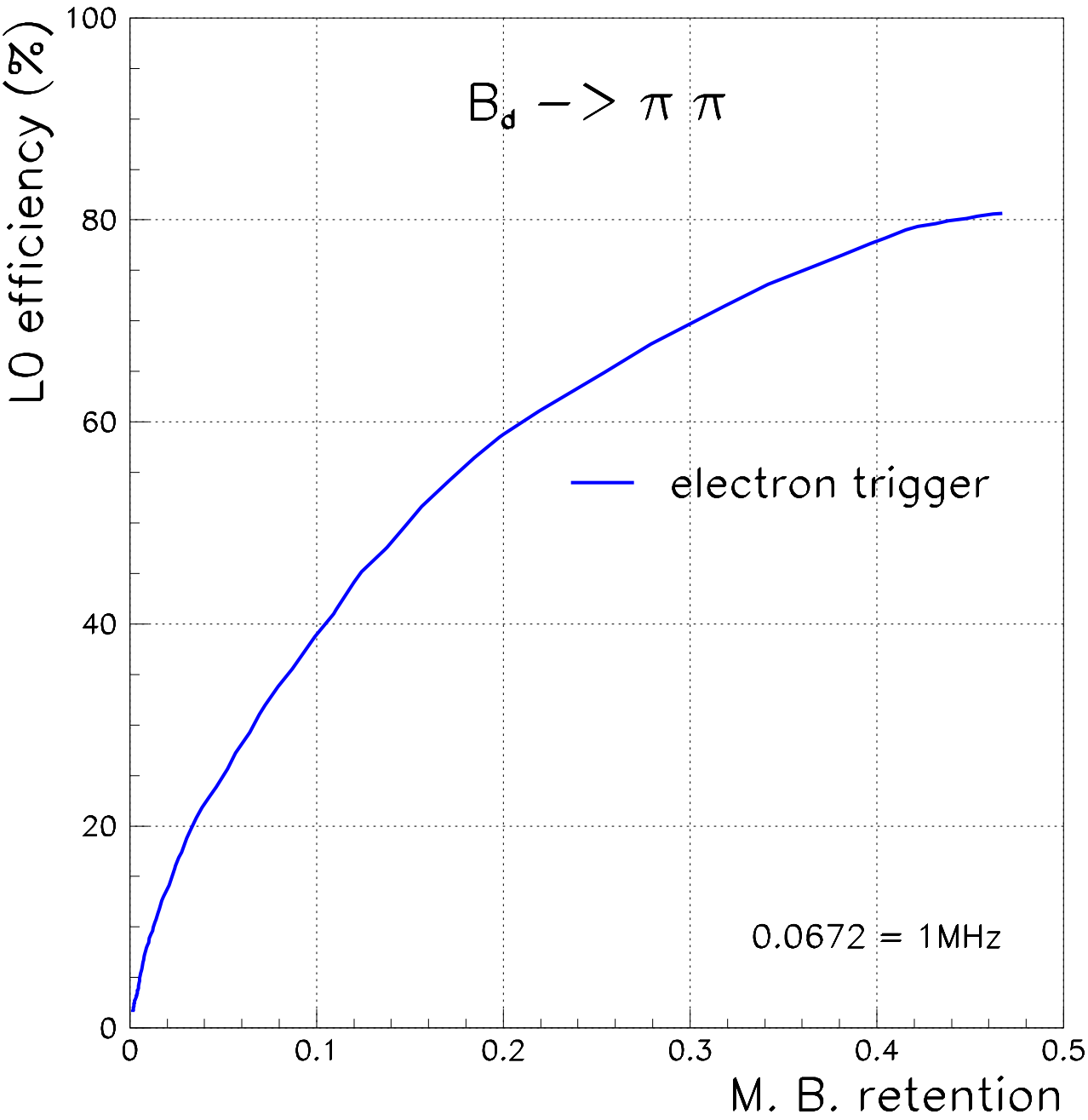

L0 efficiency (%)
100
80
60
40
20
0
$B_d -> \pi\ \pi$
L0 eff.
reduced L0 eff.
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
$E_T^{\pi 0L}$ (GeV)

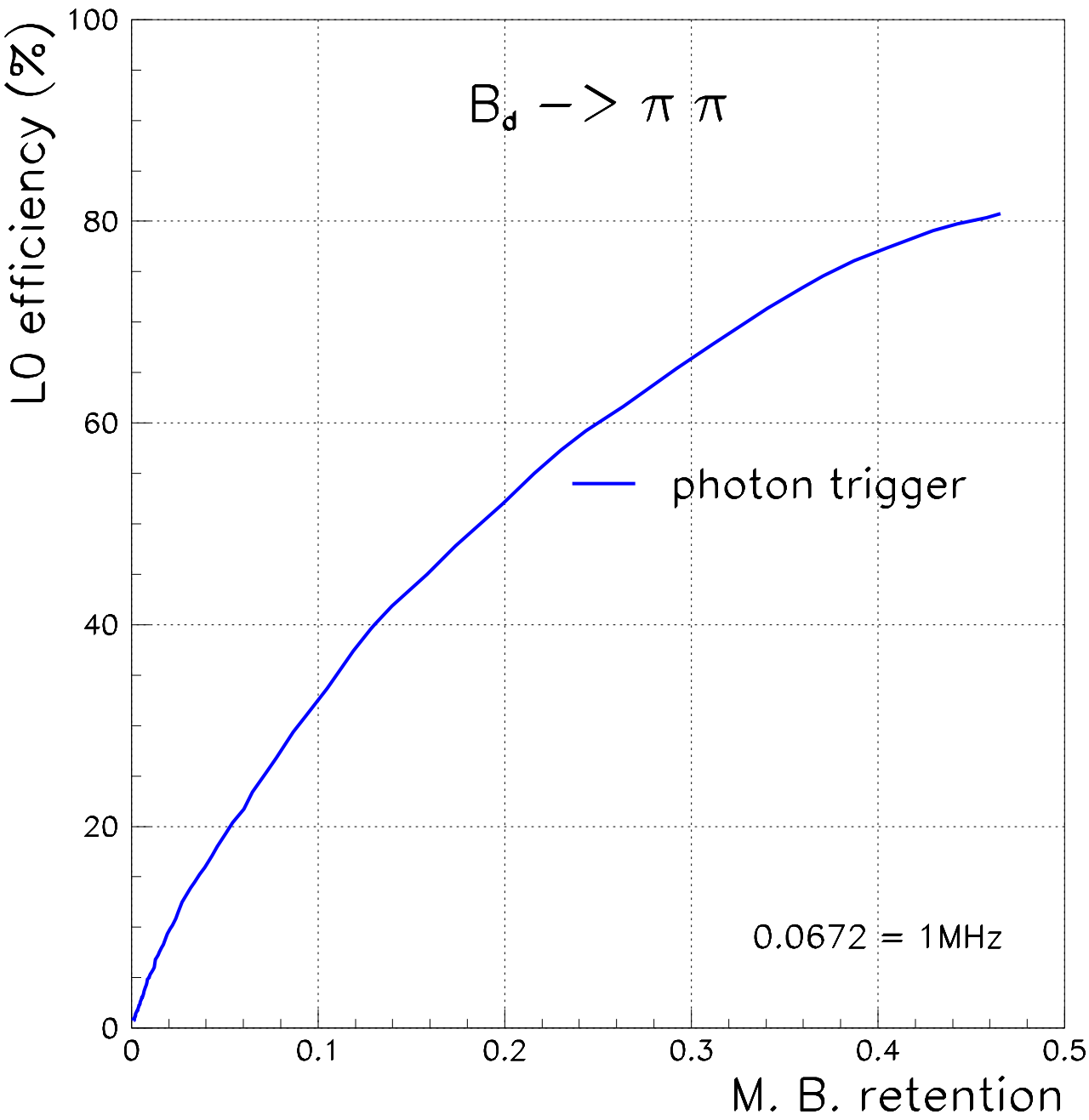

M. B. retention
0.0672 = 1MHz
0.6
0.5
0.4
0.3
0.2
0.1
0
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
M.B. retention vs $E_T^{\pi^0_G}$
$E_T^{\pi 0G}$ (GeV)

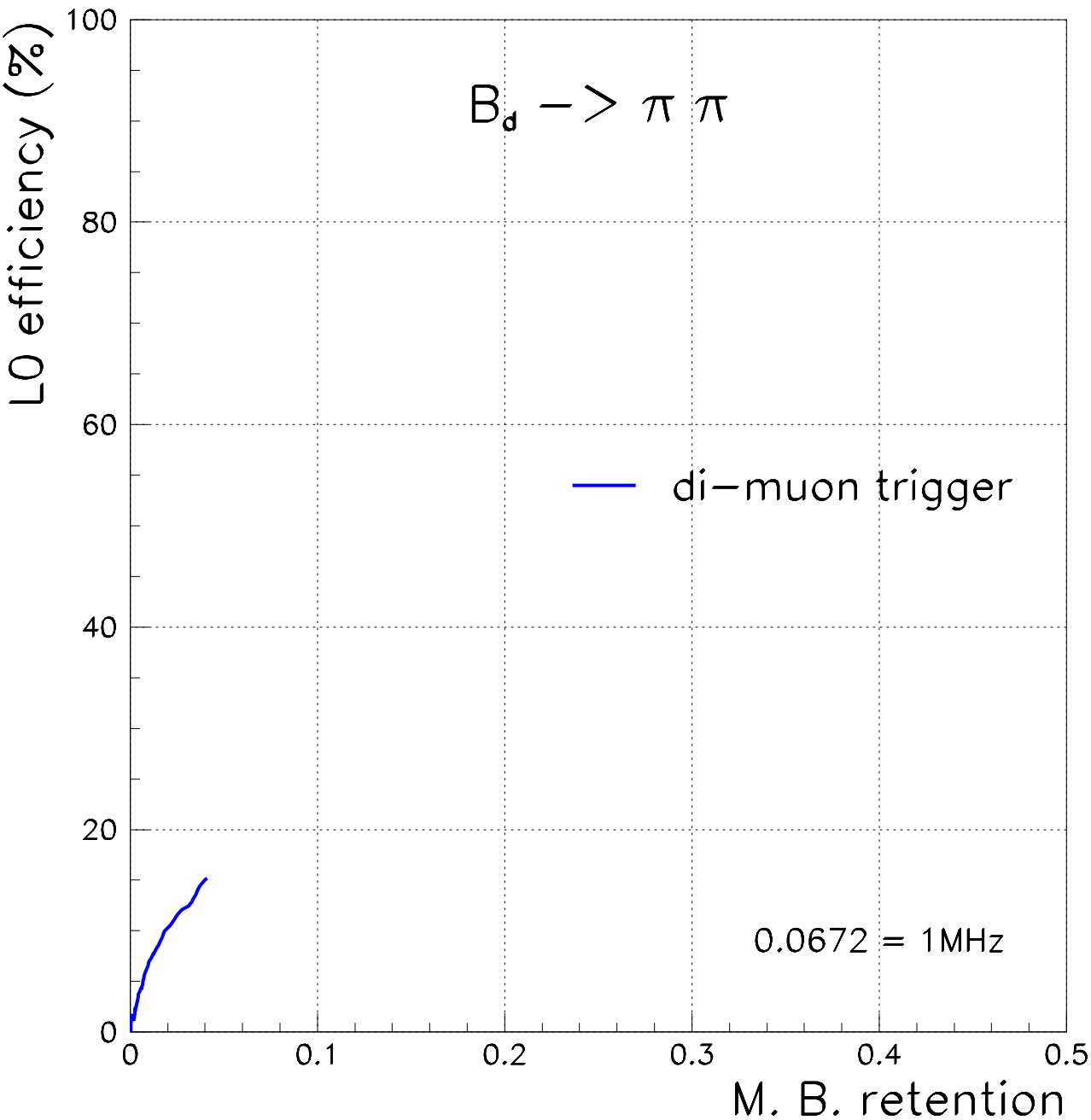

L0 efficiency (%)
100
80
60
40
20
0
$B_d -> \pi\ \pi$
L0 eff.
reduced L0 eff.
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
5
$E_T^{\pi 0G}$ (GeV)

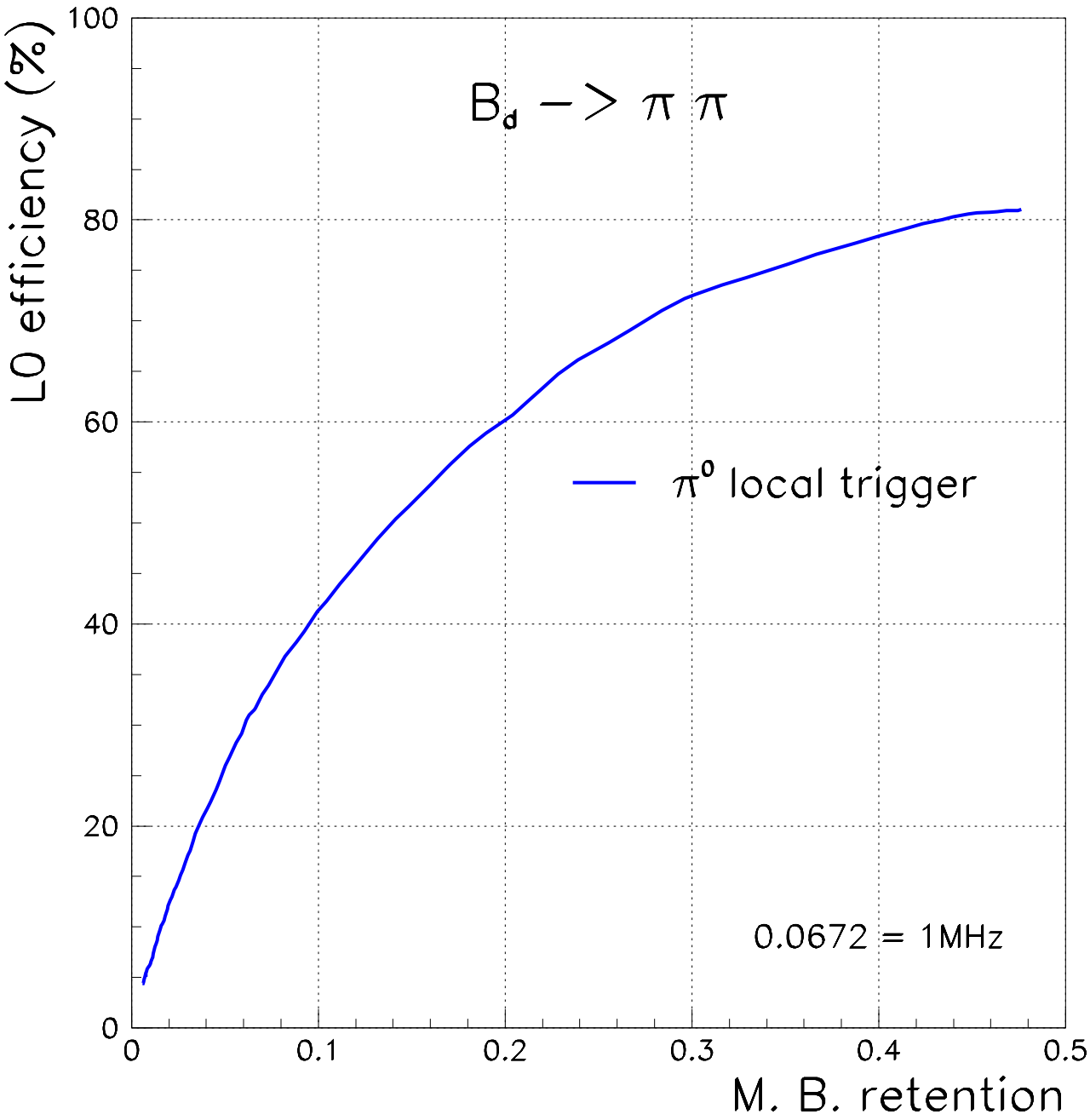

L0 efficiency (%)
100
80
60
40
20
0
$B_d -> \pi \pi$
hadron trigger
0.0672 = 1MHz
0
0.1
0.2
0.3
0.4
0.5
M. B. retention

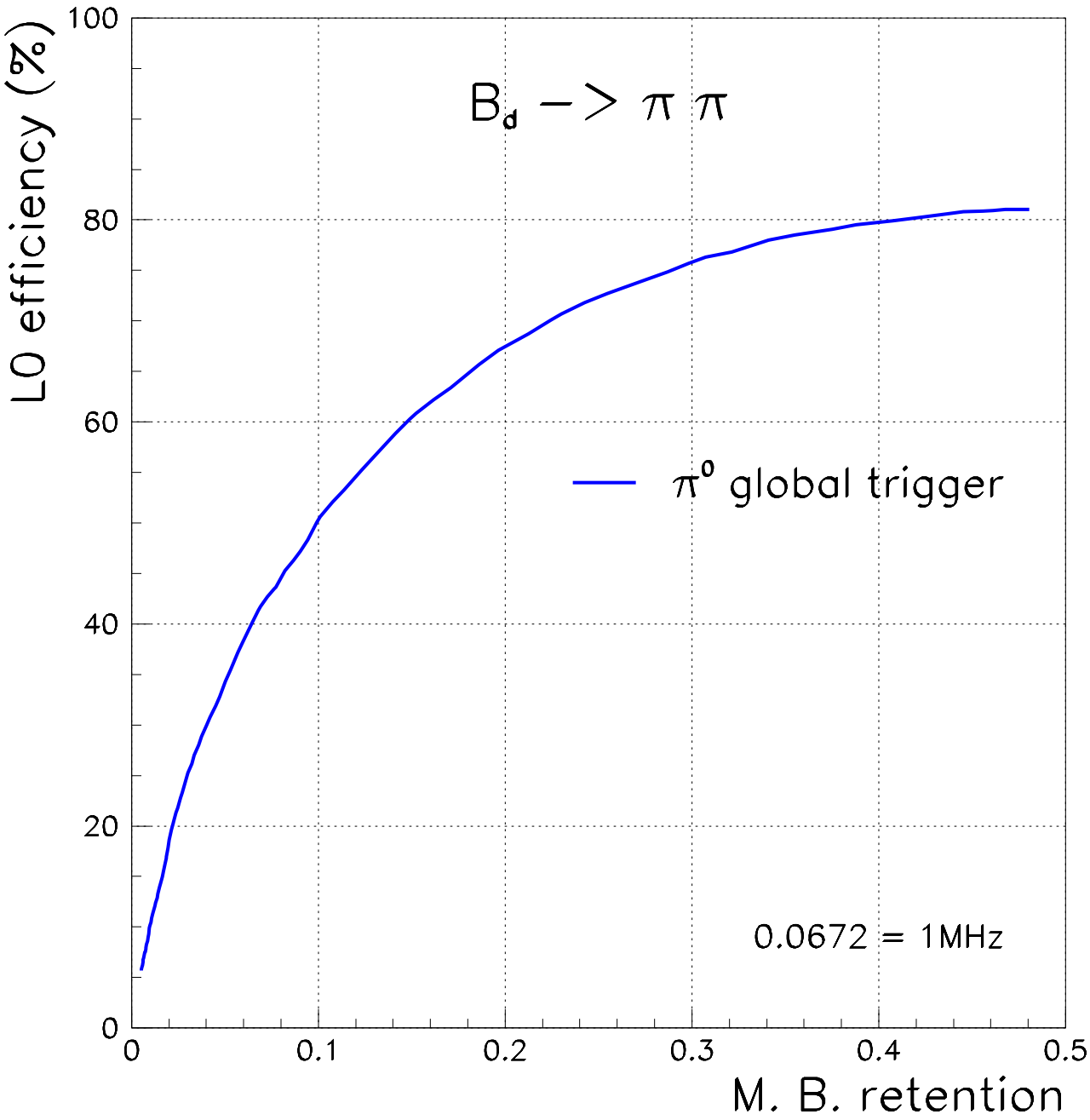

$B_d -> \pi\ \pi$
muon trigger
0.0672 = 1MHz
L0 efficiency (%)
M. B. retention
0
20
40
60
80
100
0
0.1
0.2
0.3
0.4
0.5


$B_d -> \pi\ \pi$
electron trigger
0.0672 = 1MHz
L0 efficiency (%)
M. B. retention
0
20
40
60
80
100
0
0.1
0.2
0.3
0.4
0.5


L0 efficiency (%)
100
80
60
40
20
0
$B_d -> \pi \pi$
photon trigger
0.0672 = 1MHz
0
0.1
0.2
0.3
0.4
0.5
M. B. retention


$B_d -> \pi\ \pi$
di−muon trigger
0.0672 = 1MHz
L0 efficiency (%)
M. B. retention
0
20
40
60
80
100
0
0.1
0.2
0.3
0.4
0.5


$B_d -> \pi\ \pi$
π^0 local trigger
0.0672 = 1MHz
L0 efficiency (%)
M. B. retention
0
20
40
60
80
100
0
0.1
0.2
0.3
0.4
0.5


L0 efficiency (%)
100
80
60
40
20
0
$B_d -> \pi \pi$
π^0 global trigger
0.0672 = 1MHz
0
0.1
0.2
0.3
0.4
0.5
M. B. retention