

## ESEMPIO SINGOLO GRUPPO

canale	conteggio	BR	Err.Cont.	eBR	BR	eBR
e+e-	22	0.04	4.586	0.01	0.035	0.007
m+m-	23	0.05	4.684	0.01	0.037	0.007
t+t-	25	0.05	4.873	0.01	0.040	0.008
qq	430	0.86	7.759	0.02	0.688	0.012
<b>Ntot:</b>	<b>500</b>	1			0.800	
<b>corr:</b>	0.8					

$\text{SQRT}(\text{Ntot} * \text{C8} * (1 - \text{C8}))$

## Risultato conteggi GRUPPO EST (events:1-500)

	ee	mm	t t	hh
gr1	0.0304	0.0068	0.0272	0.0120
gr2	0.0288	0.0067	0.0272	0.0119
gr3	0.0352	0.0073	0.0288	0.0120
gr4	0.0326	0.0070	0.0288	0.0116
gr5	0.0272	0.0065	0.0304	0.0120
gr6	0.0336	0.0072	0.0304	0.0126
Err.Stat.	0.0069	0.0067	0.0081	0.0120
Err.Sist.	0.0030	0.0014	0.0060	0.0072
<b>BR1:</b>	<b>0.031</b>	<b>0.008</b>	<b>0.029</b>	<b>0.014</b>

$\text{STDEV}(\text{B20}:\text{B26})$        $\text{AVERAGE}(\text{C20}:\text{C26})$

$\text{SQRT}(\text{C30}^2 + \text{C31}^2)$

## Risultato conteggi GRUPPO OVEST (events:501-1000)

	ee	mm	t t	hh
gr1	0.0352	0.0073	0.0272	0.0127
gr2	0.0288	0.0067	0.0272	0.0128
gr3	0.0496	0.0088	0.0256	0.0130
gr4	0.0384	0.0076	0.0288	0.0127
gr5	0.0224	0.0059	0.0448	0.0133
gr6	0.0320	0.0070	0.0320	0.0131

Err.Stat.	0.0072	0.0068	0.0092	0.0129
Err.Sist.	0.0093	0.0071	0.0100	0.0069

<b>BR2:</b>	<b>0.034</b>	<b>0.012</b>	<b>0.031</b>	<b>0.010</b>	<b>0.058</b>	<b>0.014</b>	<b>0.677</b>	<b>0.015</b>
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**RISULTATO FINALE  
STUDENTI**

**RISULTATO ATTUALE  
PDG 2004**

	BR	eBR
ee	3.2	0.6
mm	2.9	0.6
.	4.8	0.8
qq	68.7	1.0

$$BR = \frac{p1 \cdot BR1 + p2 \cdot BR2}{p1 + p2}$$

$$eBR = 1 / \text{SQRT}(p1 + p2)$$

$$p_i = 1 / \text{sigma}^2$$

	BR	eBR
ee	3.37	0.01
mm	3.37	0.01
tt	3.37	0.01
qq	69.89	0.07