

	A	B
PM Tube base input Voltage	7.25V	7.25V
QNET Discriminator Threshold Voltage	0.32V	0.32V
Singles Rate (counts/sec)		
Accidental Rate (counts/sec)		
Coincidence Rate (counts/sec)		

Ra= Counts  
 Rb= Counts  
 Racc= Acci  
 Rcoin= Coi

Formulas

Count rate for accidentals	$2\tau * Ra * Rb$
Percent Error (accidentals/counts)	$Racc/Rcoin$
Coincidence Rate	$Flux * Area$
Accidental Rate	$\% \text{ error} * Rcoin$
Singles Rate	$Sqroot(Racc/2\tau)$

$$\tau \text{ (pulse width)} = 0.00000005$$

s/sec for PMT A  
s/sec for PMT B  
identical Count Rate  
incidence Rate