

Parameters	Comments	Rules	How?
$\frac{\sigma_{ext}^2}{\sigma_{col}^2}$	Affect the peak width. Should be negligible.	(1) $\sigma_{ext}^2 \leq 0.1 \times \sigma_{col}^2$	<u>Reduction of</u> - Injection volume - Detector Cell volume - Tube i.d. - detector time constant
$\frac{t_{delay}}{t_0}$	Affect the peak width and the relative band spacing. Should be kept constant.	(2) $\frac{t_{iso} + t_D}{t_0} = \text{constant}$	<u>Adjustment of t_{iso}</u>
$\frac{t_0}{T_G}$	Affect the peak width and the relative band spacing. Should be kept constant.	(3) $(\text{gradient slope}) \times t_0 = \text{constant}$	<u>Adjustment of T_G</u>