extrapolation to pure quark and gluon jets

We use the expected purities to extrapolate the relative production rates in pure quark and gluon jets

$$R^g = R(\text{"Gjet"})\,p^g(\text{"Gjet"}) + R(\text{"Qjet"})\,(1-p^g(\text{"Qjet"}))$$
$$R^q = R(\text{"Gjet"})\,(1-p^q(\text{"Gjet"})) + R(\text{"Qjet"})\,p^q(\text{"Qjet"})$$

	$\frac{R^g(K^0_s)}{R^q(K^0_s)}$	$\frac{R^g(\Lambda)}{R^q(\Lambda)}$
L3	1.06 ± 0.03	1.25 ± 0.09
DELPHI	1.13 ± 0.16	1.40 ± 0.38
OPAL	1.10 ± 0.03	1.41 ± 0.06

DELPHI : with selected quark and gluon jets with the same energies (-> b tagging)

OPAL : linear fit of R versus E_{jet}