

| Name | Metaorder Correlation | q -Dependence | q -Fluctuation |
|------------|-----------------------|----------------------------|----------------------|
| NC-NVD-NVF | $\Gamma = 0$ | $\lambda, \lambda' = 0$ | $q \equiv 1$ |
| NC-NVD-VF | $\Gamma = 0$ | $\lambda, \lambda' = 0$ | $LN(m, \sigma_\ell)$ |
| NC-VD-VF | $\Gamma = 0$ | $\lambda, \lambda' \neq 0$ | $LN(m, \sigma_\ell)$ |
| C-NVD-VF | $\Gamma > 0$ | $\lambda, \lambda' = 0$ | $LN(m, \sigma_\ell)$ |
| C-VD-VF | $\Gamma > 0$ | $\lambda, \lambda' \neq 0$ | $LN(m, \sigma_\ell)$ |

Table 1: Summary of the five simulated configurations. Each model is named using a triplet notation, with C = correlation (described by parameter Γ), VD = volume dependence of μ_q, β_q , VF = volume fluctuations. Here, "N" indicates negation, such as ND = no metaorder correlation ($\Gamma = 0$, see Eq. (??)), NVD = no volume dependence ($\lambda, \lambda' = 0$), NVF = no volume fluctuations ($\sigma_\ell = 0$). The fully realistic case corresponds to the last line C-VD-VF.