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Table 2 Comparison between the basic production rates in the IRHSM and IRMM with two main choices of ν_M .

From: [Granular Gas of Inelastic and Rough Maxwell Particles](#)

Choice for ν_M	HS \simeq M	α	β
$\frac{5}{4}\nu_{HS}$	ζ_{Ω}^{HS} $\simeq \zeta_{\Omega}^M$	Arbitrary	Arbitrary
	ζ_r^{HS} $\simeq \zeta_r^M$	Arbitrary	Arbitrary
	ζ_t^{HS} $\simeq \zeta_t^M$	$\alpha_M \leftrightarrow \alpha_{HS}$	Arbitrary
	ζ^{HS} $\simeq \zeta^M$	$\alpha_M \leftrightarrow \alpha_{HS}$	Arbitrary
$\frac{5}{2}\nu_{HS}$	ζ_t^{HS} $\simeq \zeta_t^M$	Arbitrary	-1
	ζ^{HS} $\simeq \zeta^M$	Arbitrary	± 1

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