Channel		Shape of m_1 function			mass ratio	Effective spin $\chi_{ ext{eff}}$	$q-\chi_{ m eff}$ relation	z evolution
		(shallow) rise	peak at 34	Sharp drop	equal mass	$<\chi_{\rm eff}>\approx 0.1$	unconfirmed	with SFR
P-PISN	I) Pile up	~	X	/		~	?	2
	II) shoulder	~	~	X				
	III) CCSN- transition	~	\	×				
Globular clusters			~	×	~			
Hierarchical	V		~			?		?
Chemically Homogeneous			/		/			
0000	I) pure II) quasi		~				~	
Pop III	(A)			X				