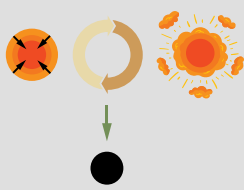












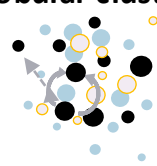







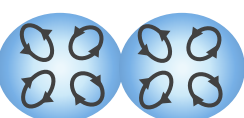






Channel	Shape of m_1 function			mass ratio q	Effective spin χ_{eff}	$q - \chi_{\text{eff}}$ relation	z evolution
	(shallow) rise	peak at 34	Sharp drop	equal mass	$\langle \chi_{\text{eff}} \rangle \approx 0.1$	unconfirmed	with SFR
P-PISN  <div> I) Pile up II) shoulder III) CCSN-transition </div>							
							
							
Globular clusters 							
Hierarchical 							
Chemically Homogeneous  <div> I) pure II) quasi </div>							
							
Pop III 