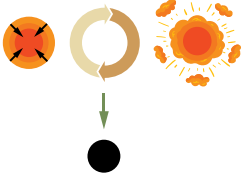
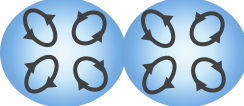
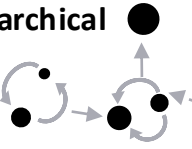




Channel	Subsection:	Shape of m_1 function			mass ratio q	Effective spin χ_{eff}	$q - \chi_{\text{eff}}$ relation	z evolution
		flat/rise	peak at 34	drop	prefer equal	skewed positive	small slope/ narrow	with SFR
1 P-PISN 	A) standard	✓	✗	✓				
	B) shoulder	✓	✓	✗				
	C) P-PISN onset degen.	✓	✓	✓				
2 Chemically Homogeneous 	A) standard	✓	✓	✗	✓	✗		✓
	B) smt + quasi-CHE	✗	✓	✓	✗	✗		
3 Hierarchical 	2g + 1g	✓	✓	✓	✗	✗		
	2g + 2g	✓	✓	✓	✓	✗		
4 Globular clusters 		✓	✓	✓	✗	✗		
5 Pop III 		✓	✓	✓	✗	✗		✗
✗ No match		✗ Not likely			✓ Plausible	✓ Match		