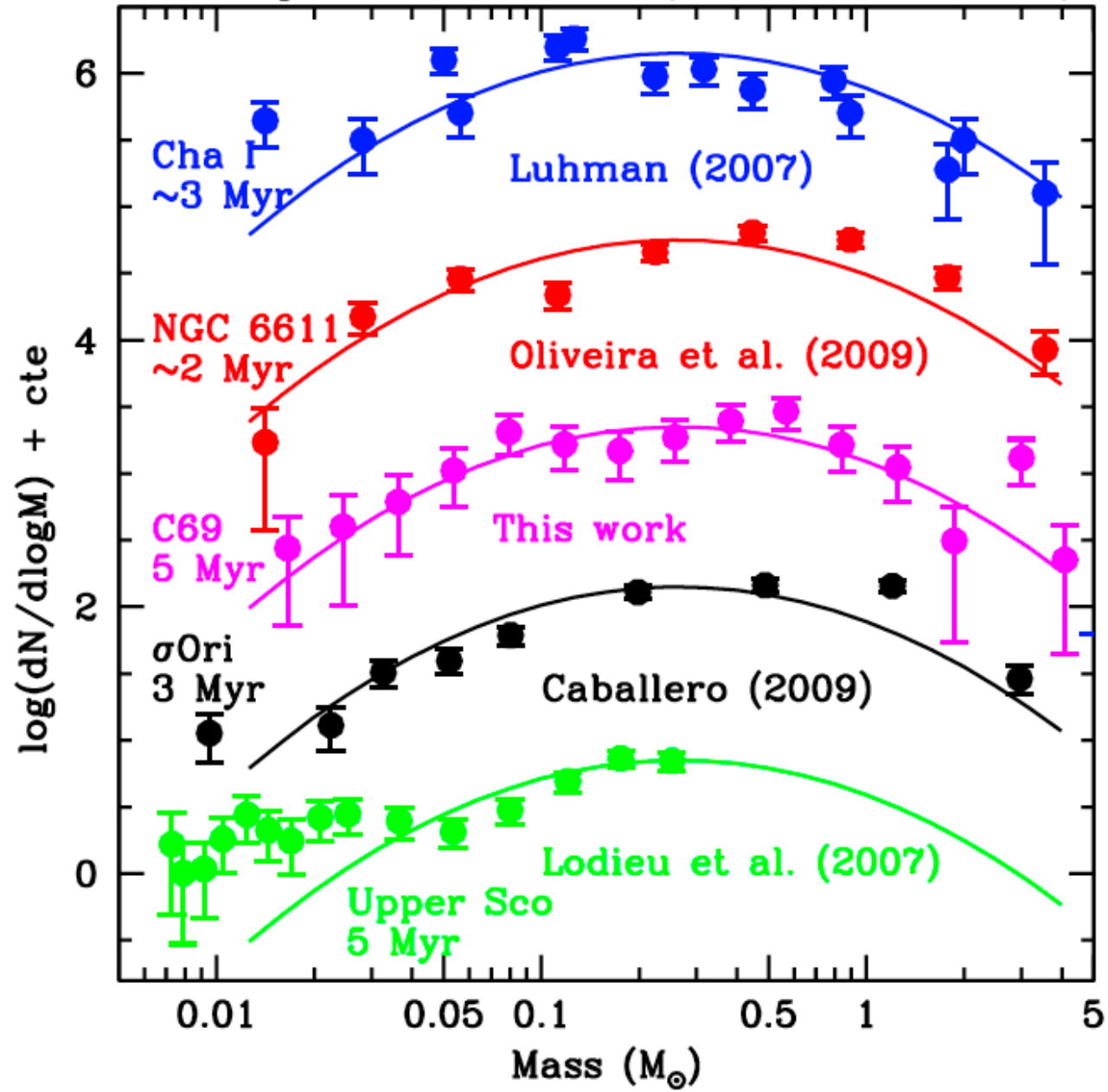


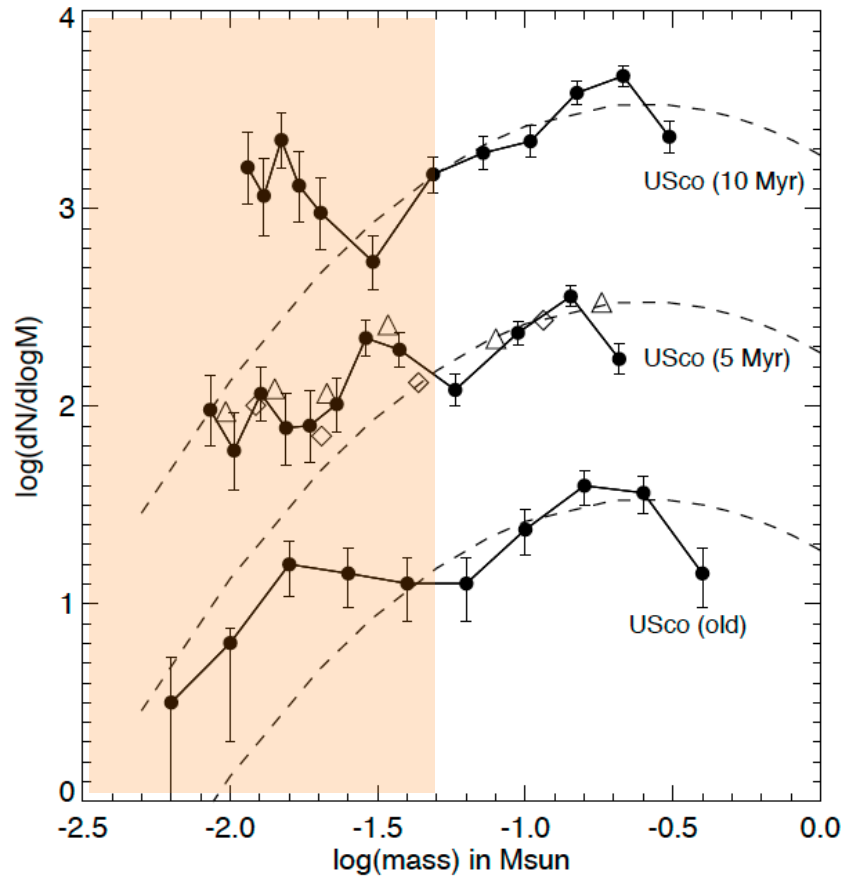
Cluster IMF across the substellar limit ($\sim 0.03\text{-}0.3 M_{\odot}$)

Cluster	Age (Myr)	α ($dn/dm \sim m^{-\alpha}$)	References
ρ -Ophiuchus	1	0.7 ± 0.3	Alves de Oliveira et al. 2013, Muench et al. 2007, Luhman et al. 2003
ONC	1	0.3-0.6	Weights et al. 2009
NGC 1333	1	0.6 ± 0.1	Scholz et al. 2012, Winston et al. 2009
IC 348	2	0.7 ± 0.4	Alves de Oliveira et al. 2013, Muench et al. 2007, Luhman et al. 2003
σ -Ori	3	0.6 ± 0.2	Peña Ramírez et al. 2012, Caballero et al. 2012, Caballero et al. 2009; Béjar et al. 2011
Cha-I	3	No variation	Muzic et al. 2011, Muench et al. 2008, Luhman et al. 2007
λ -Ori	5	~ 0.3	Bayo et al. 2011
Upper Sco	5	No variation	Lodieu et al. 2013, Dawson et al. 2011

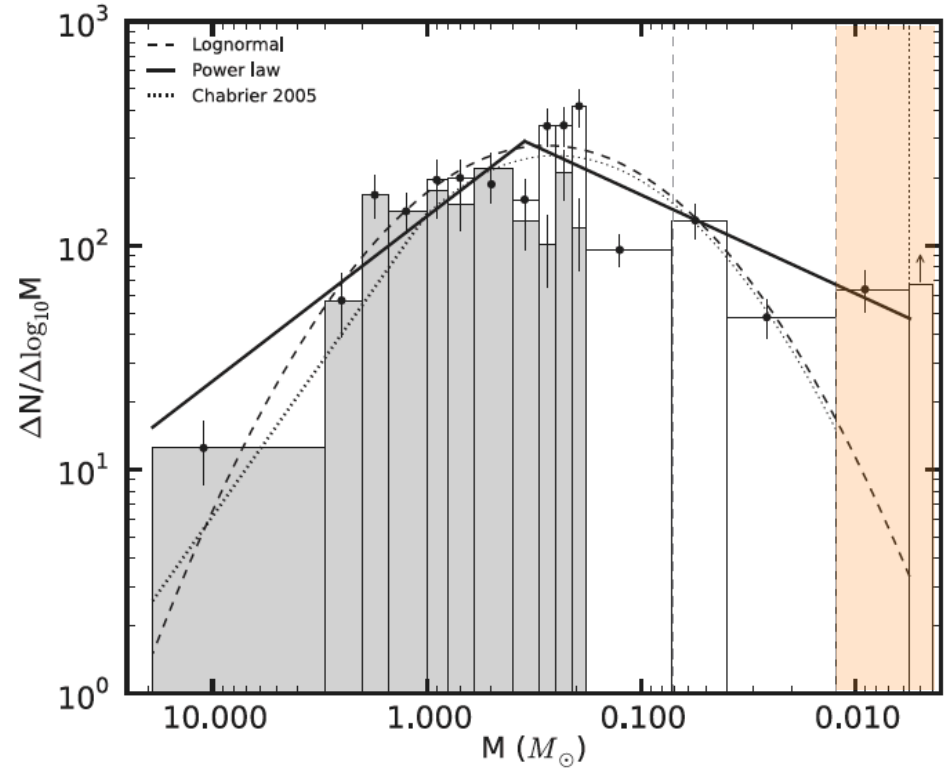
Fiducial lognorm MF: $Mc=0.25$, $\sigma=0.52$ (Pleiades, Moraux et al. 2003)



Hint for variations below $0.03M_{\odot}$?



Lodieu 2013, MNRAS, 431, 3222



Peña Ramírez et al. 2012, ApJ, 754, 30

Field substellar IMF

Kirkpatrick et al. 2012, ApJ, 753, 156

$$-1.0 < \alpha < 0.0$$

Power law may provide a poor fit

Not consistent with results in clusters !

