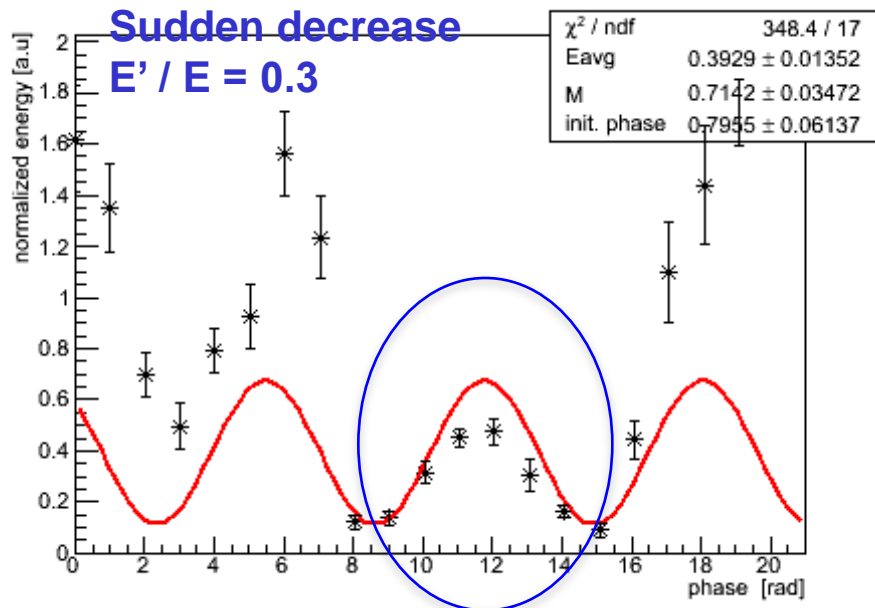
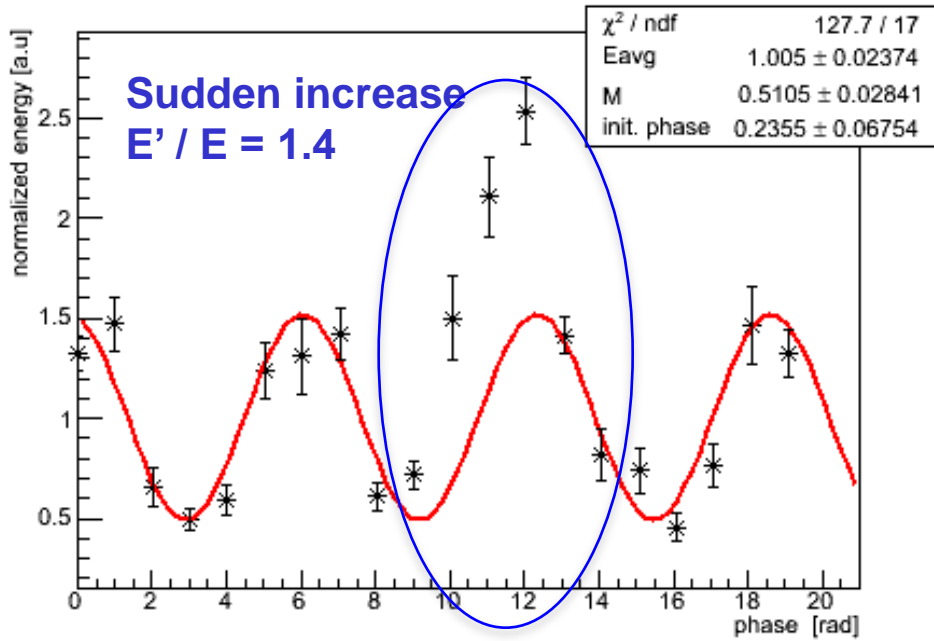
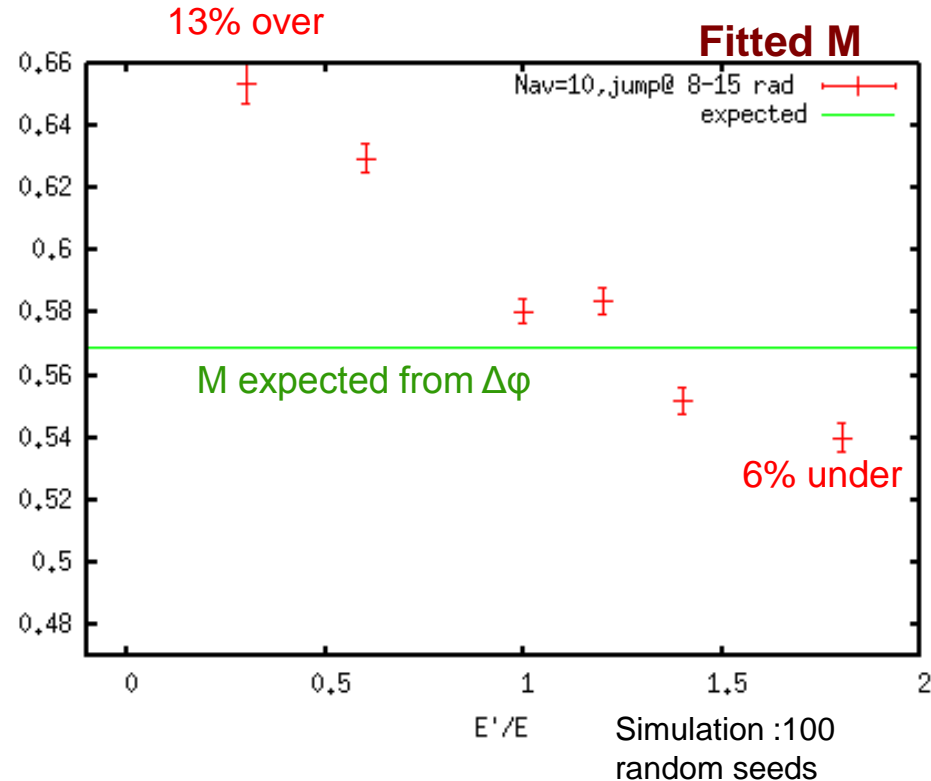


Effect of laser instability on M meas : Nav=10

Assume **Comp. signal intensity suddenly change** @ 8 – 15 rad (drift ?)



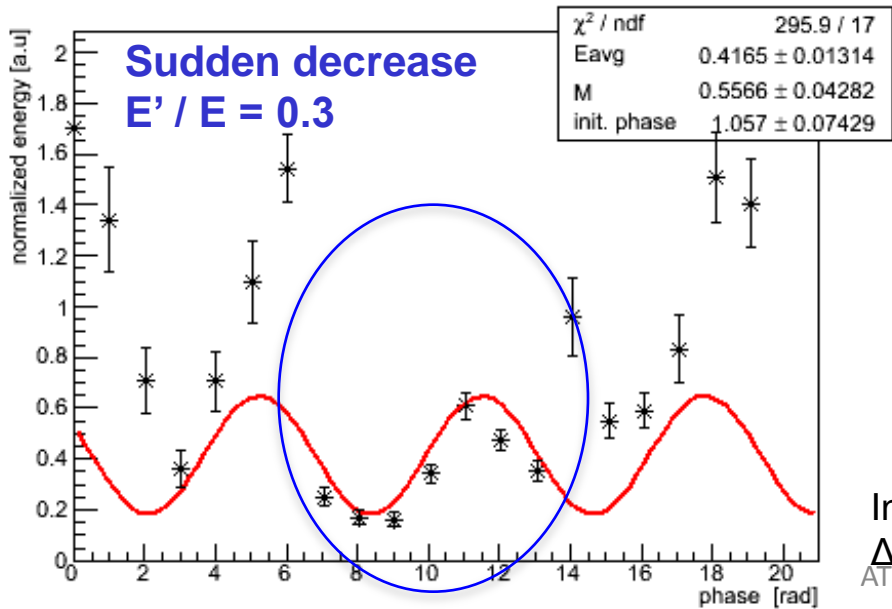
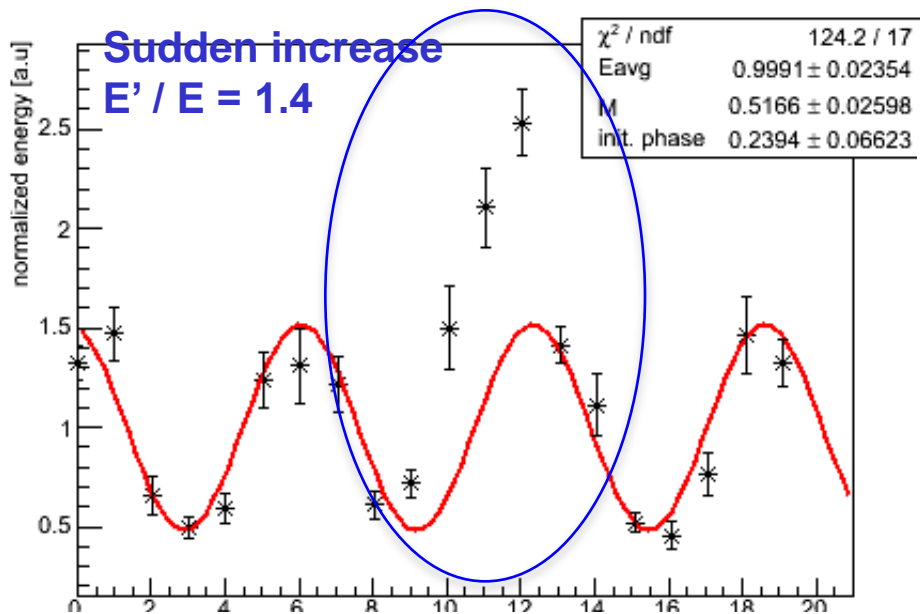
Include 2 valleys



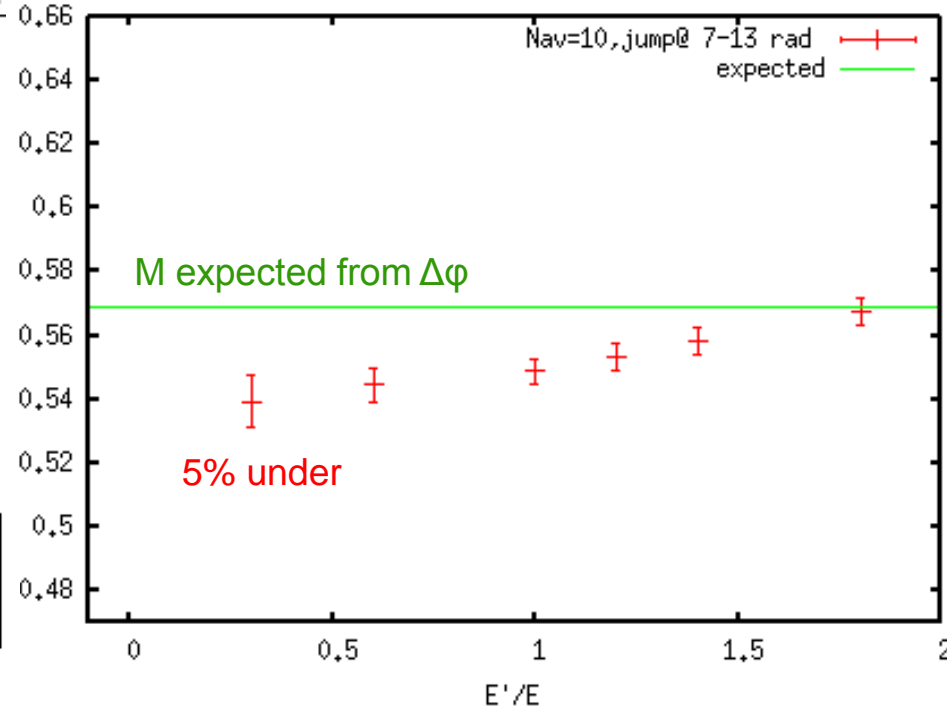
Input : $M_0 = 0.636$, Nav=10, 174 deg mode,
 $\Delta\phi = 470$ mrad, Clinear = 0.3, Cstat = 0.1, Cconst = 0.05

Assume **Comp. signal intensity suddenly change @ 7 – 13 rad (drift ?)**

Include only 1 valley , jump range $\sim 2\pi$



Fitted M

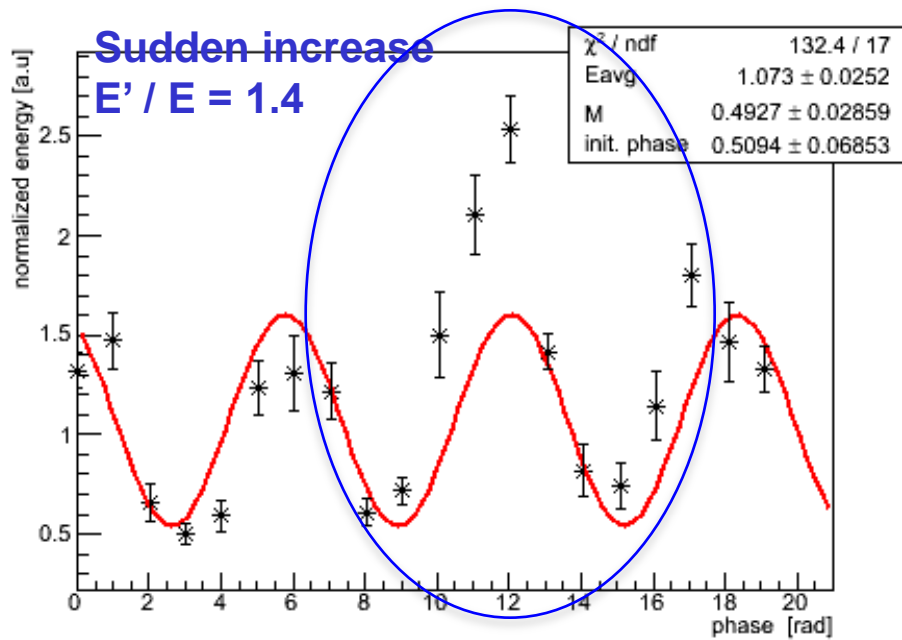


Simulation :100
random seeds

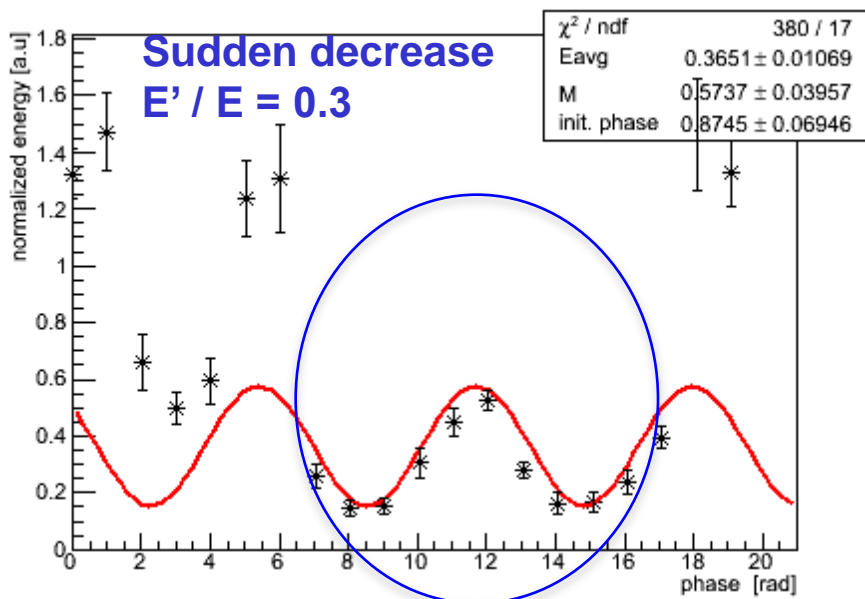
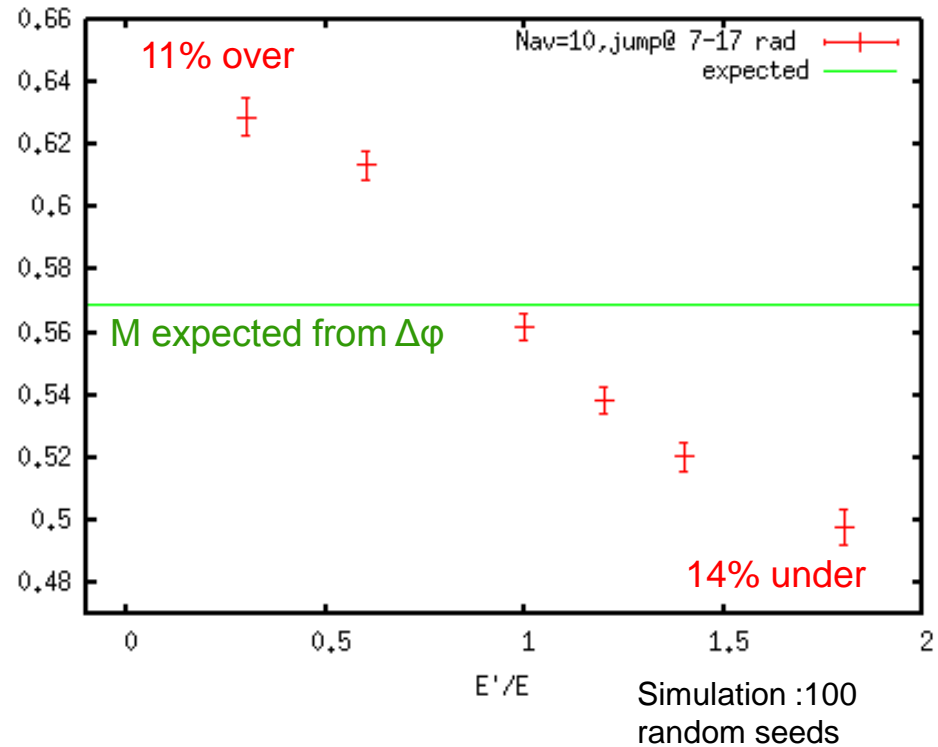
Input : $M_0 = 0.636$, Nav=10, 174 deg mode,
 $\Delta\phi = 470$ mrad, Clinear = 0.3, Cstat = 0.1, Cconst = 0.05

Assume **Comp. signal intensity suddenly change @ 7 – 17 rad (drift ?)**

Include 2 valleys , jump range $< \sim 4\pi$

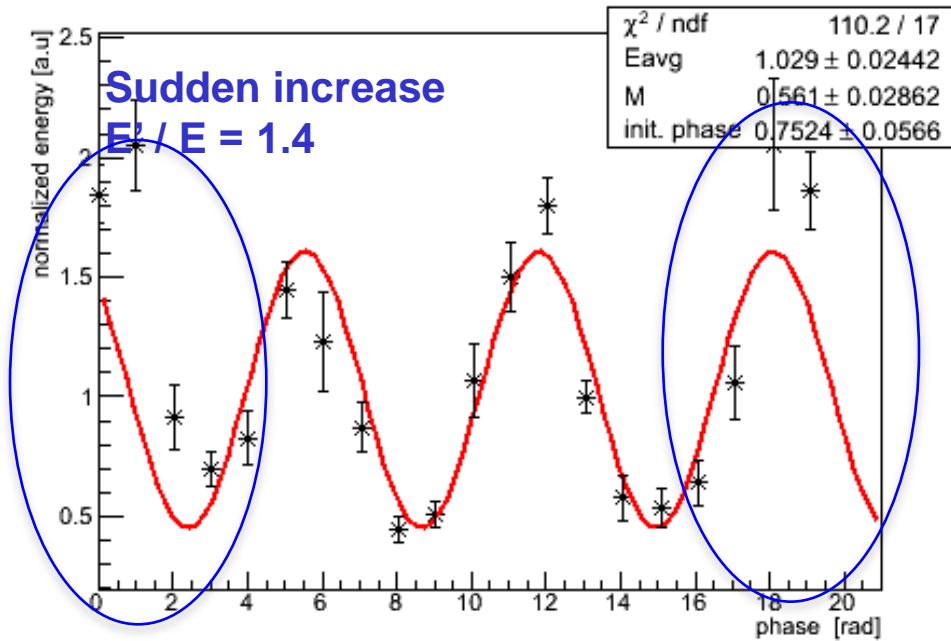


Fitted M

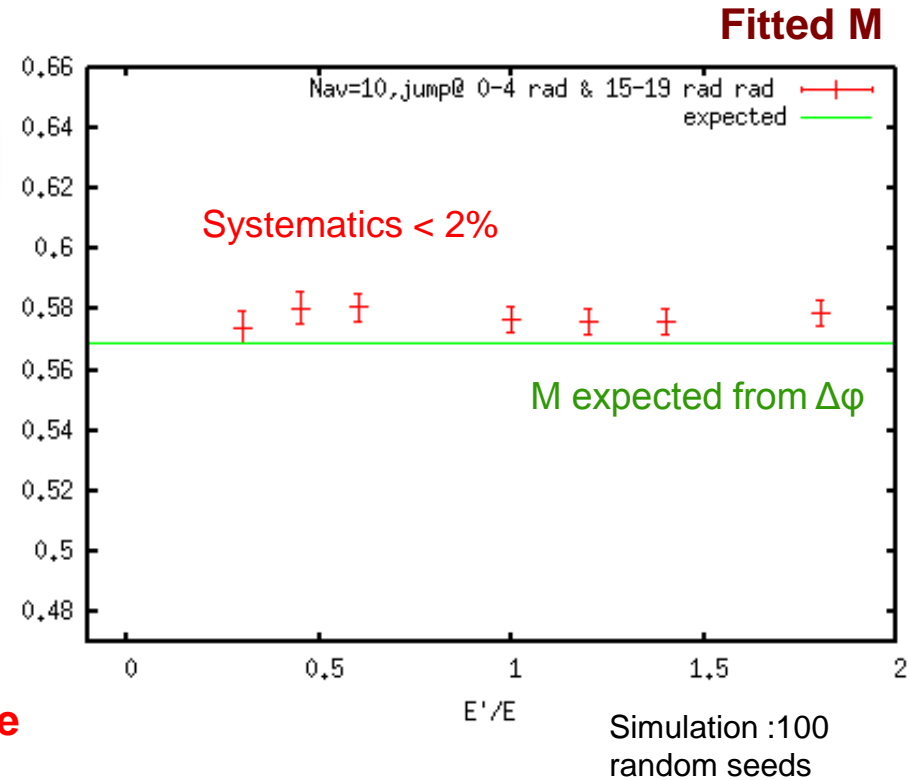
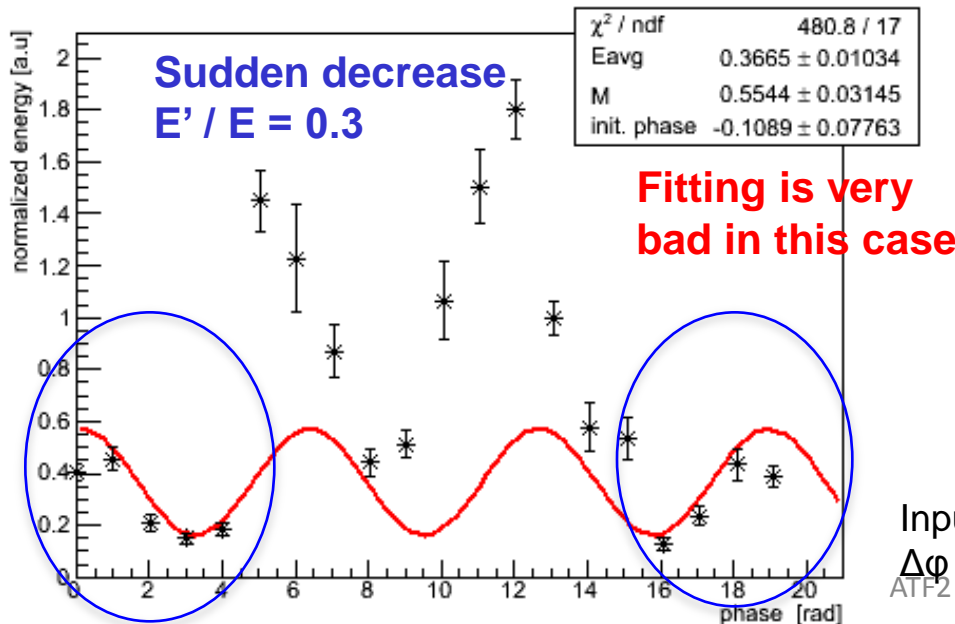


Input : $M_0 = 0.636$, Nav=10, 174 deg mode,
 $\Delta\phi = 470$ mrad, Clinear = 0.3, Cstat = 0.1, Cconst = 0.05

Assume **Comp. signal intensity suddenly change twice @ 0 – 4 rad AND 16-19 rad (drift ?)**



Systematics seem to be partially cancelled between two parts



Input : $M_0 = 0.636$, Nav=10, 174 deg mode,
 $\Delta\phi = 470$ mrad, Clinear = 0.3, Cstat = 0.1, Cconst = 0.05