

Fig.1  $P_s$  for varied  $\Delta f$ , fixed  $\Phi_s^{out}$ ,  $\Phi_m^{out only}$ ,  $\Phi_b^{out only}$

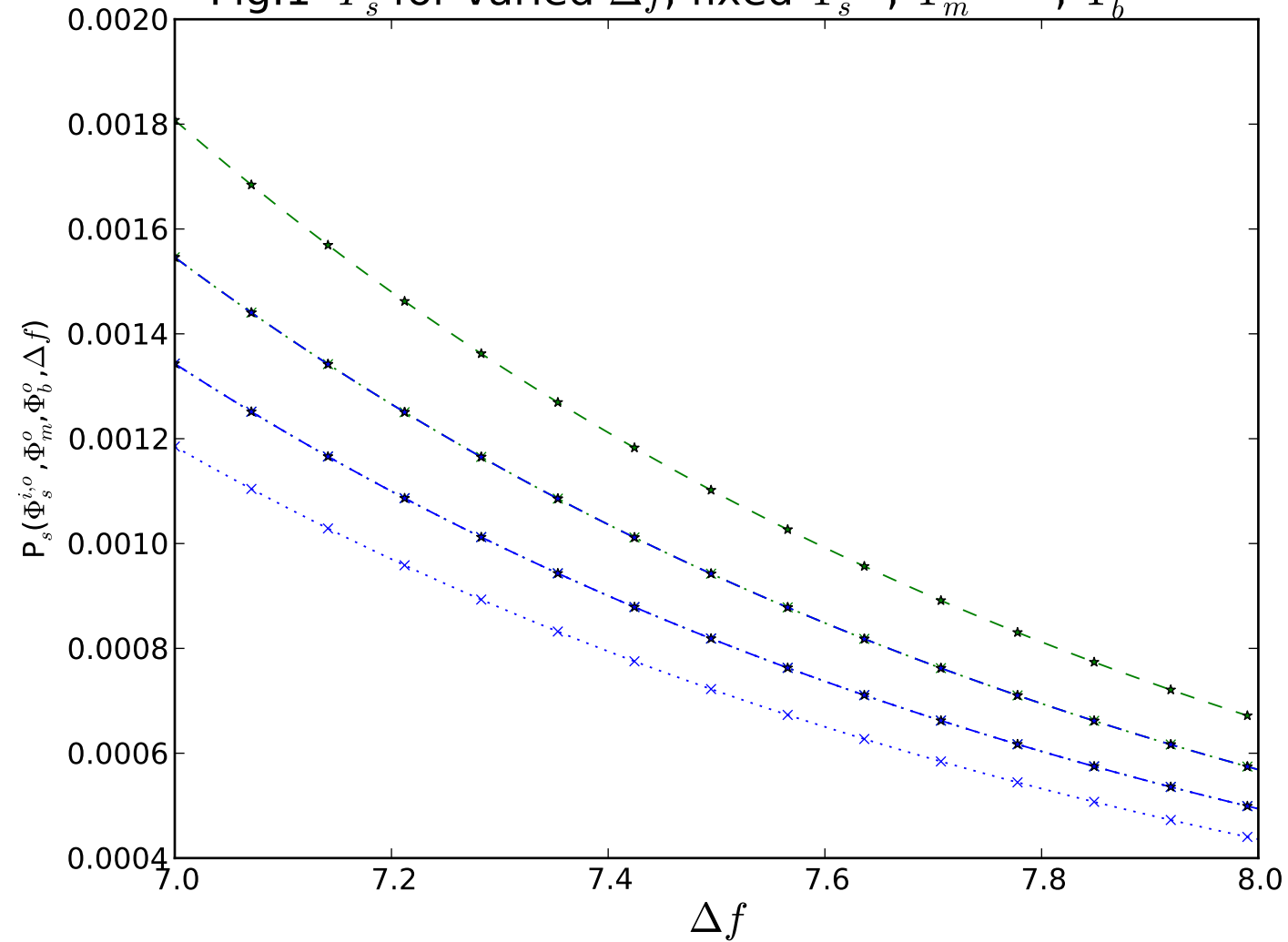


Fig.2  $\Phi_s^{in}$  for varied  $\Delta f$ , fixed  $\Phi_s^{out}, \Phi_m^{out only}, \Phi_b^{out only}$

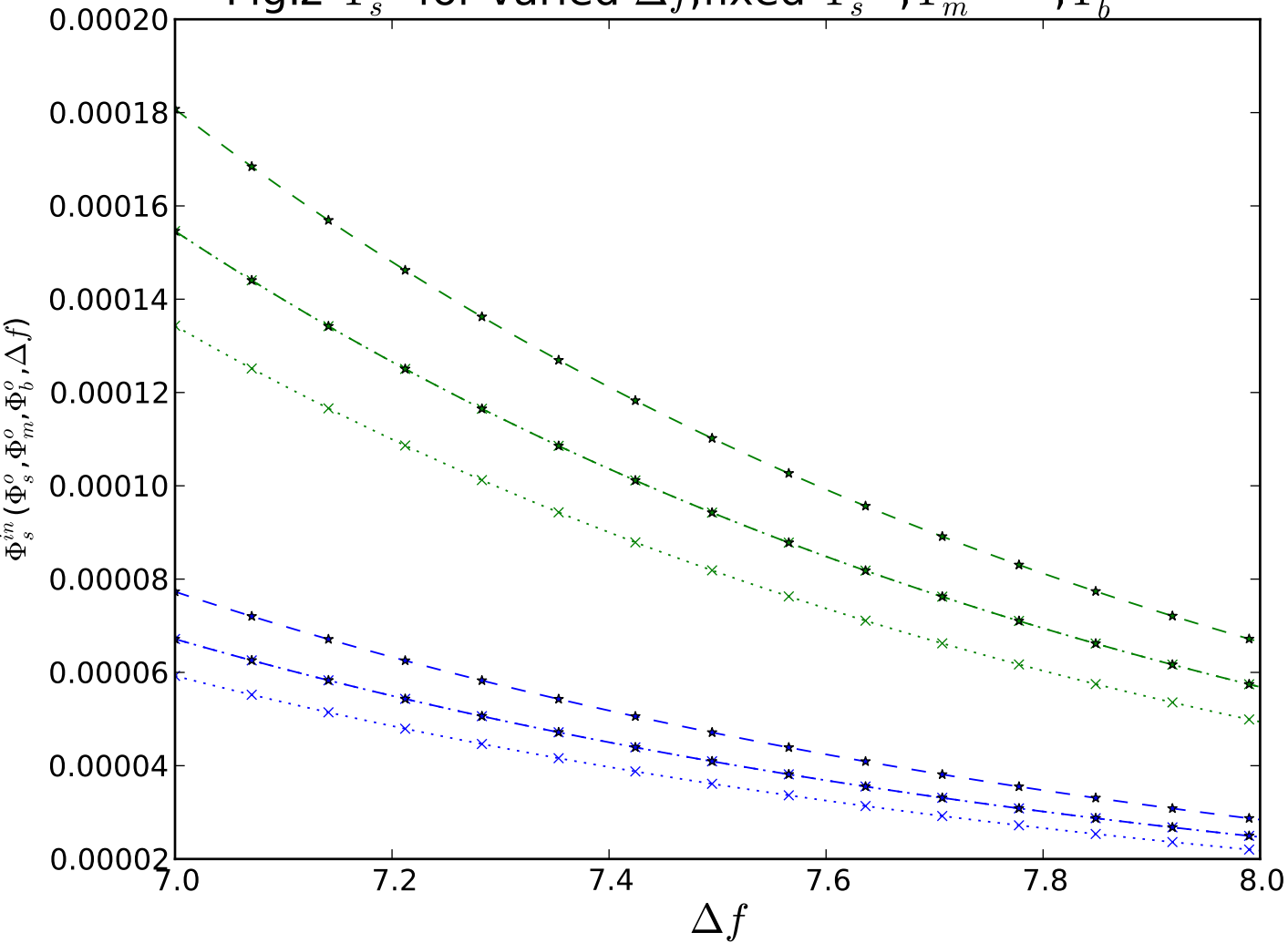


Fig.3  $P_m$  for varied  $\Delta f$ , fixed  $\Phi_s^{out}$ ,  $\Phi_m^{in, out}$ ,  $\Phi_b^{out only}$

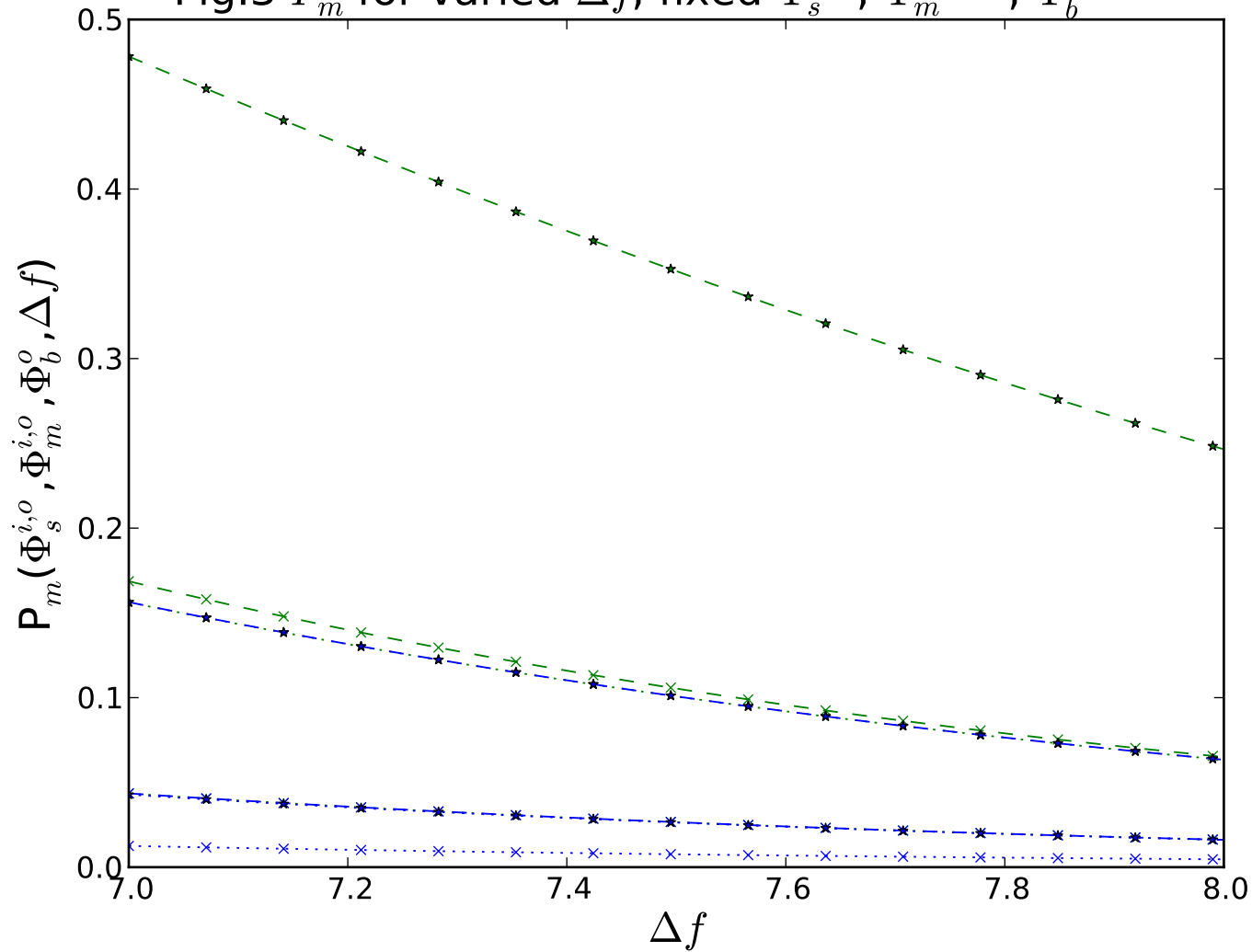
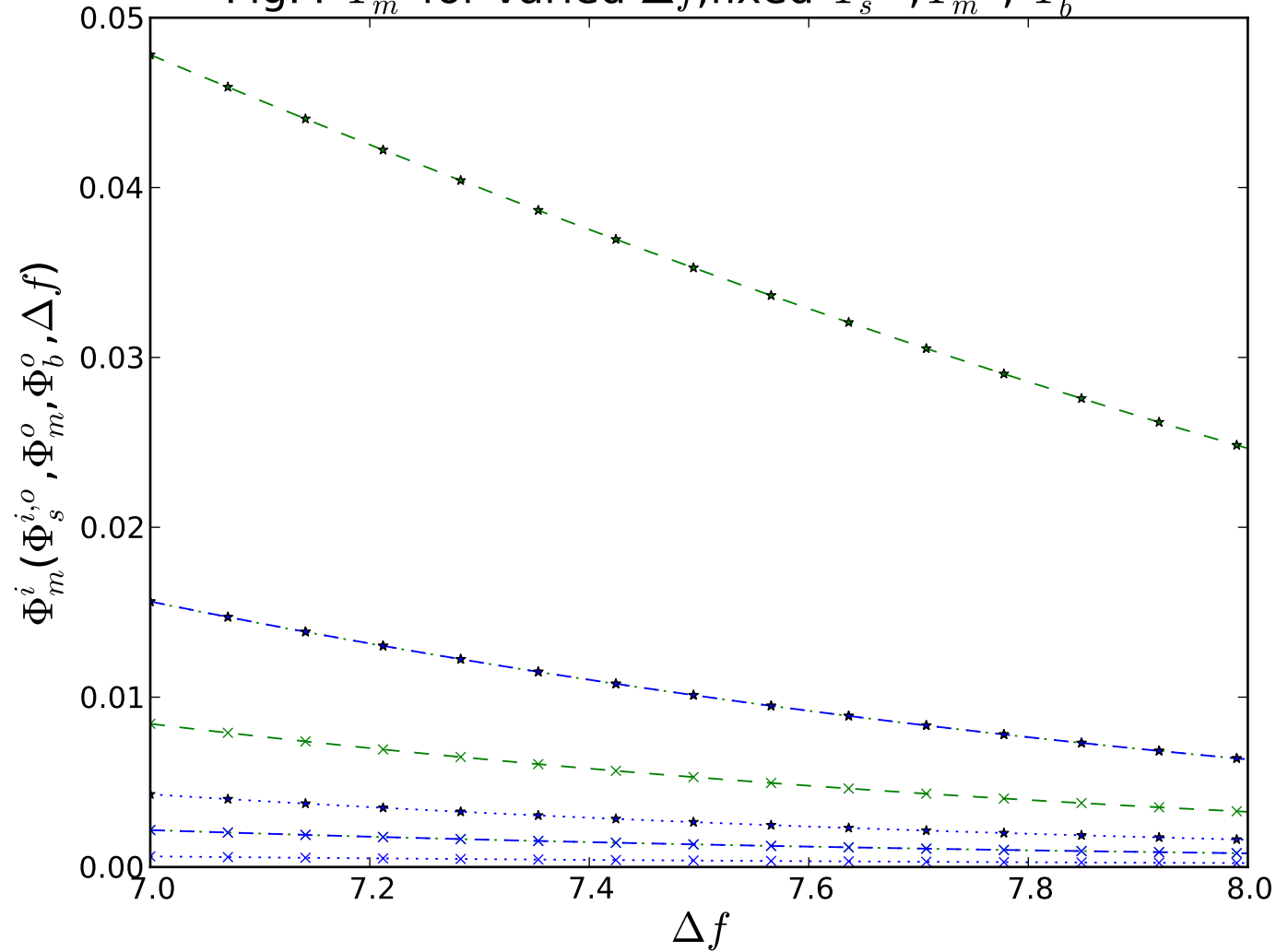


Fig.4  $\Phi_m^{in}$  for varied  $\Delta f$ , fixed  $\Phi_s^{out}, \Phi_m^{out}, \Phi_b^{out only}$



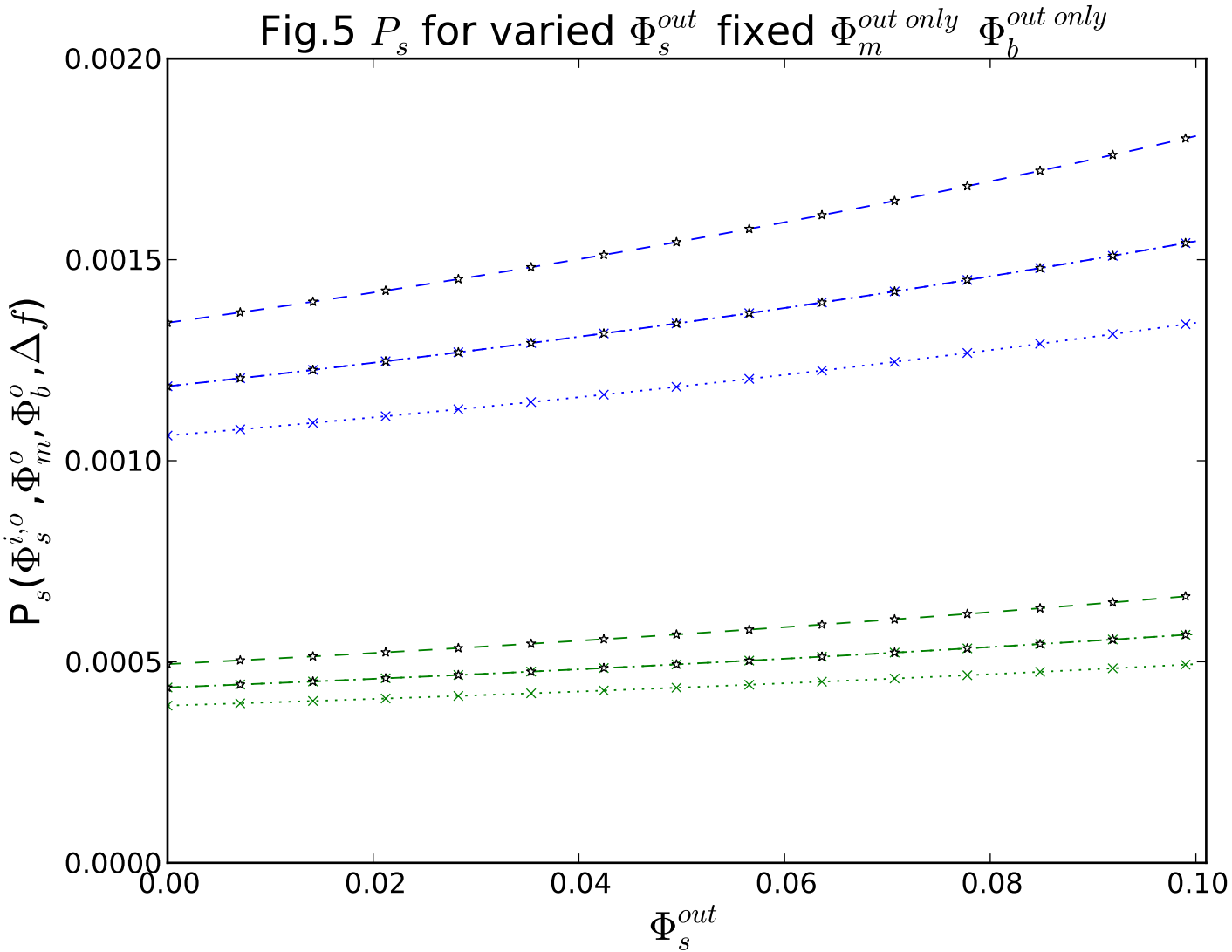


Fig.6  $\Phi_s^{in}$  for varied  $\Phi_s^{out}$  fixed  $\Phi_m^{out}$  only  $\Phi_b^{out}$  only

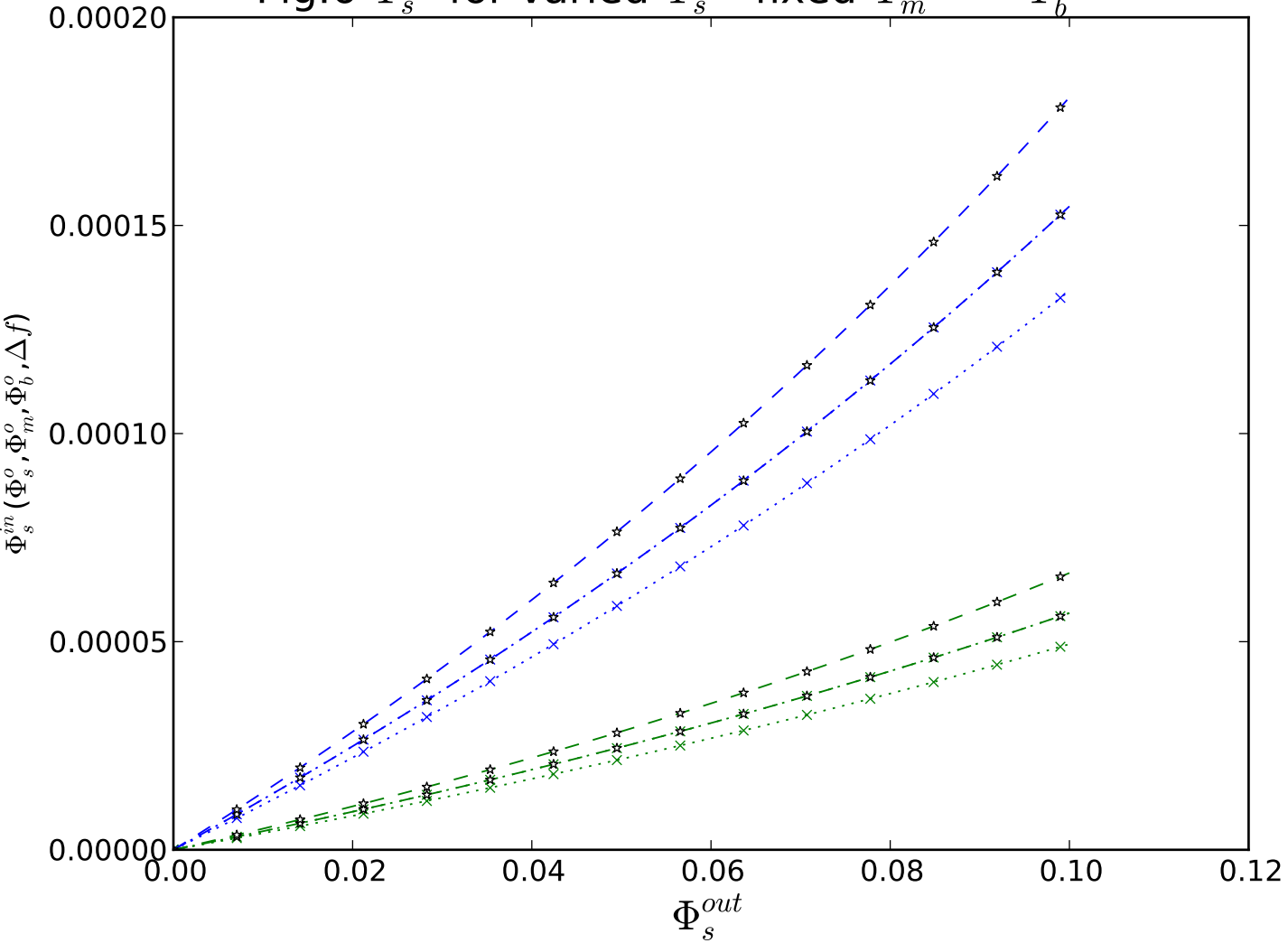


Fig.7  $P_m$  for varied  $\Phi_s^{out}$  fixed  $\Phi_m^{out}$   $\Phi_b^{out}$  only

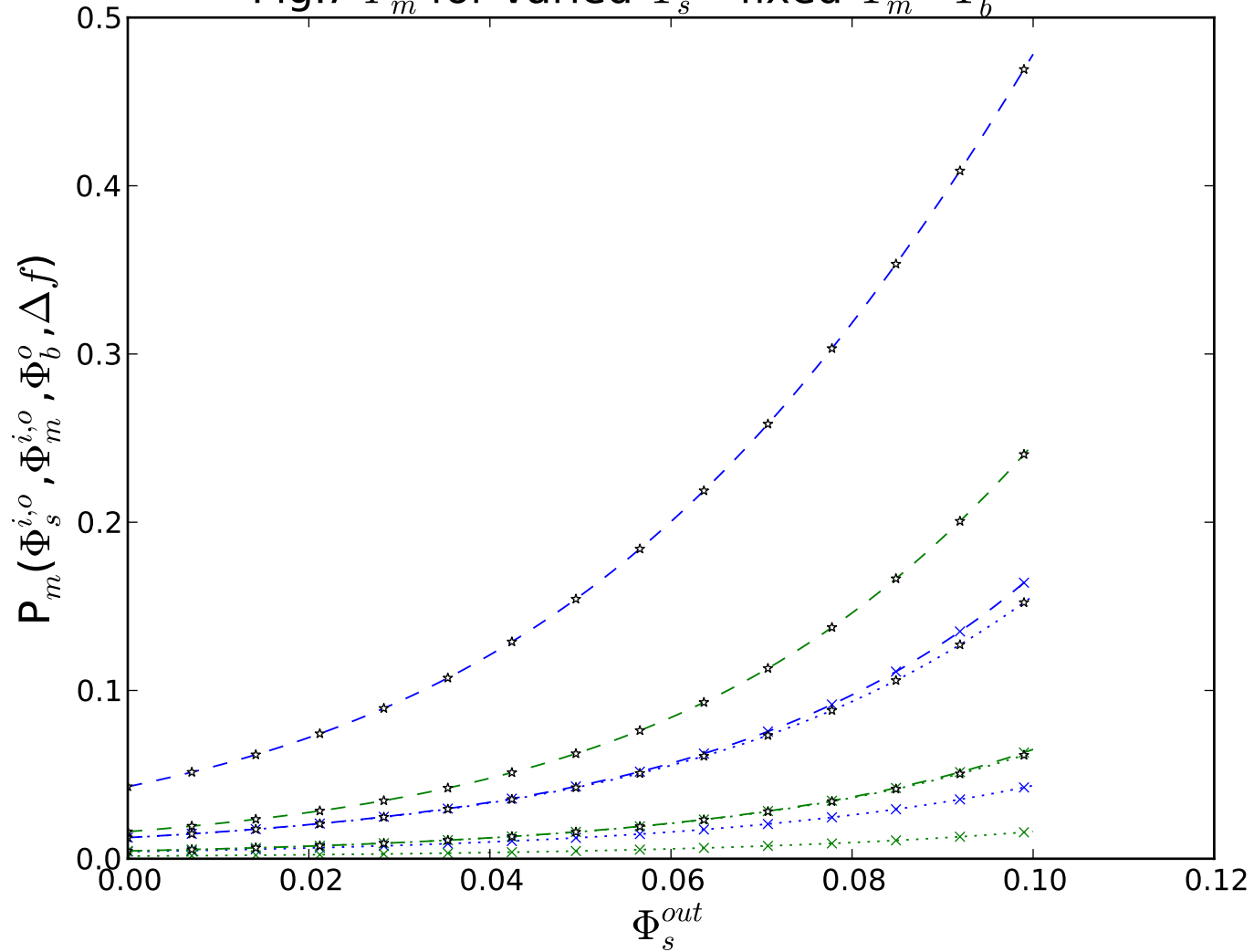


Fig.8  $\Phi_m^{in}$  for varied  $\Phi_s^{out}$  fixed  $\Phi_m^{out}$   $\Phi_b^{out}$  only

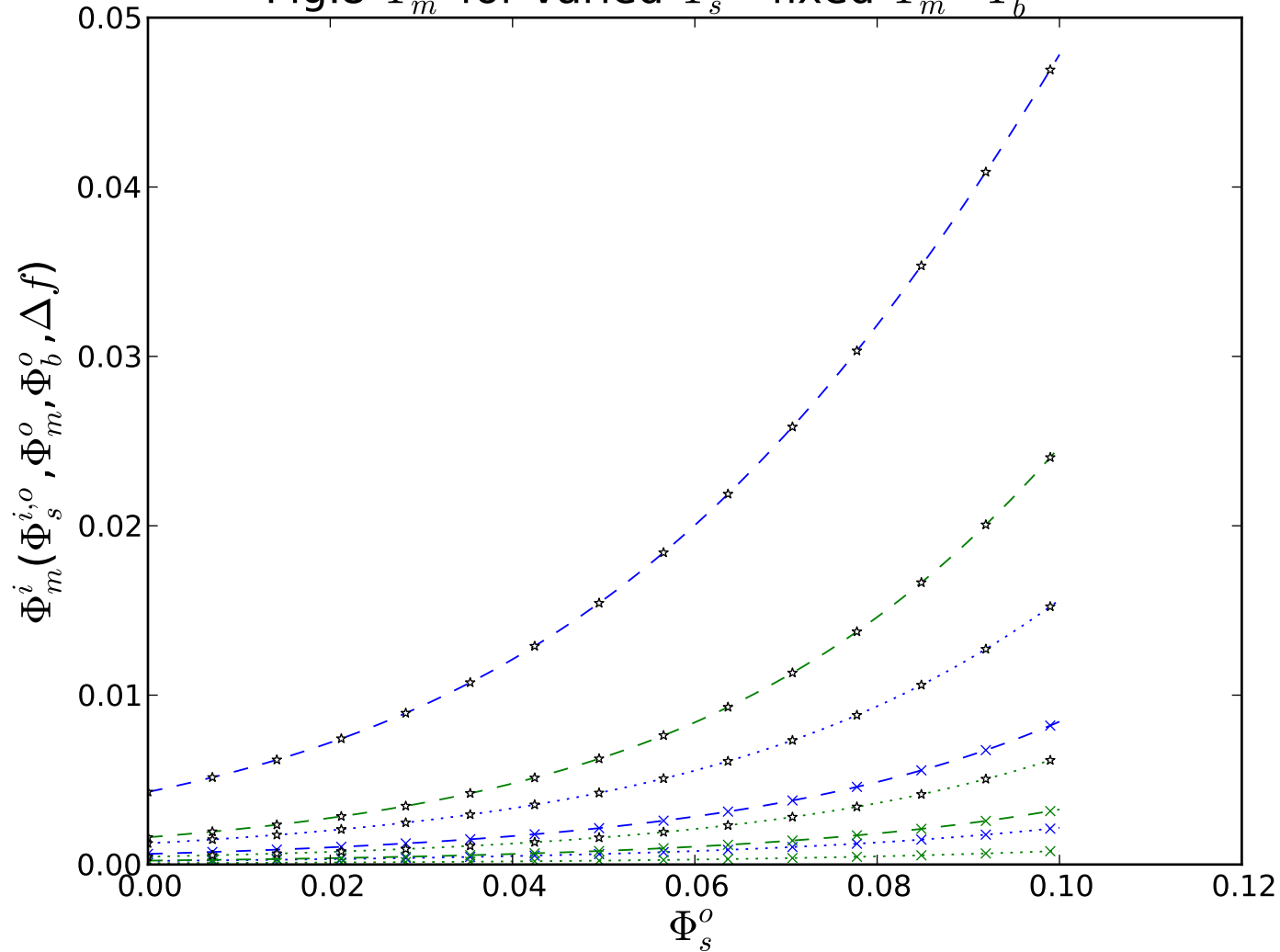




Fig.9 Chemical Potential of small polymers in pore (no PEG1k in)

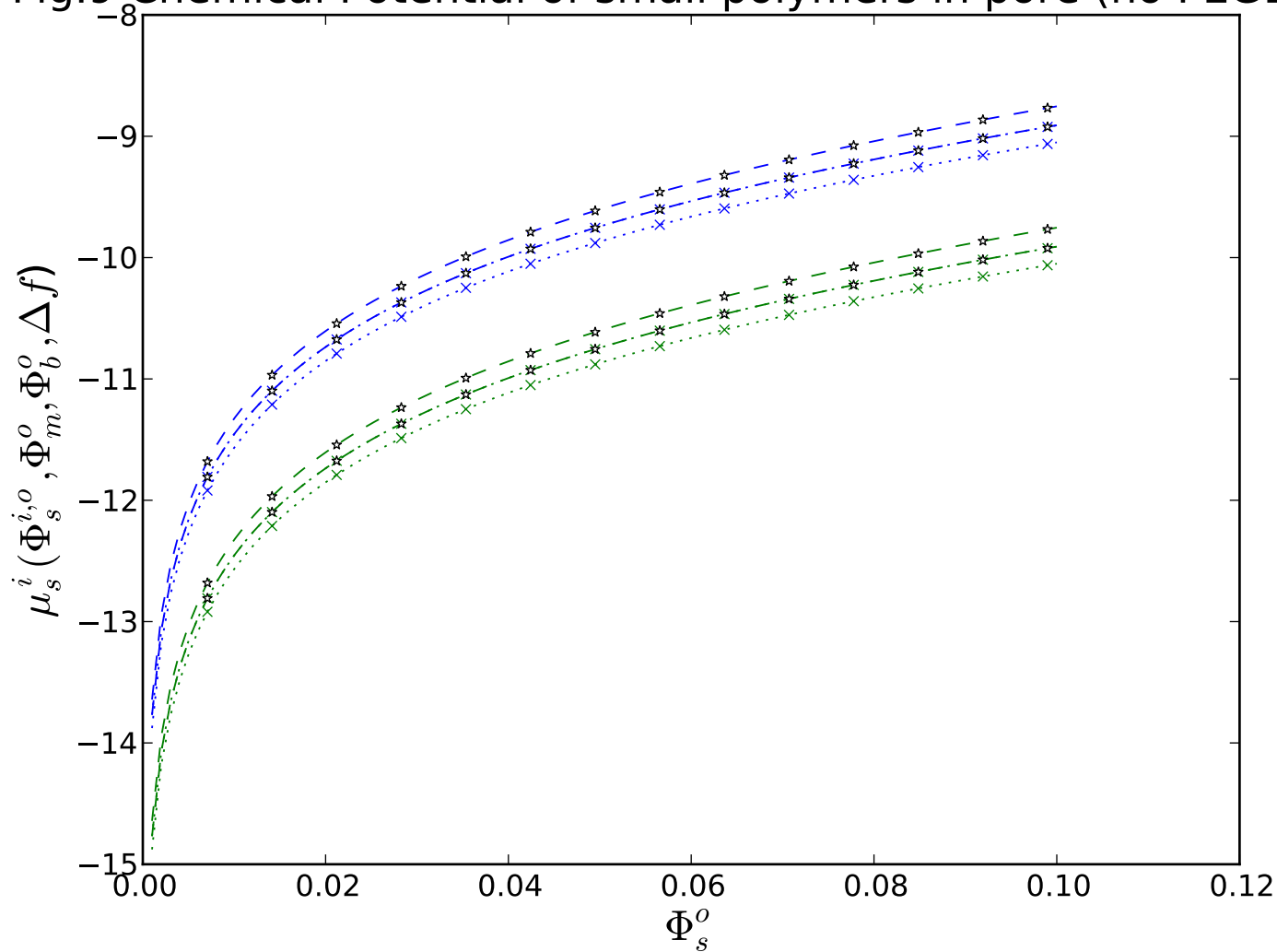


Fig.10 Medium Polymer Chemical Potential in pore with small

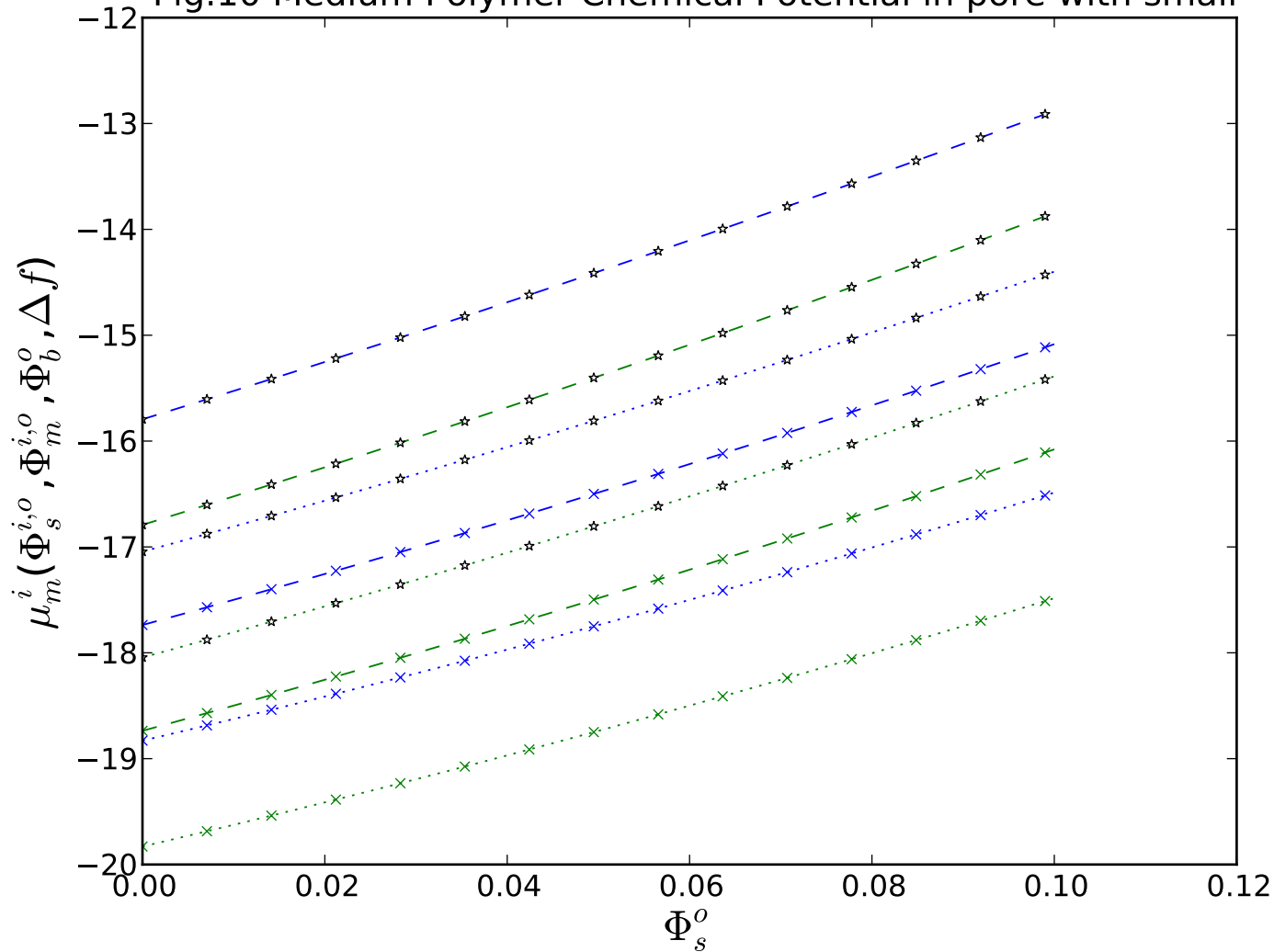


Fig.11 Small(black), Medium(color) Chemical Potentials in Pore

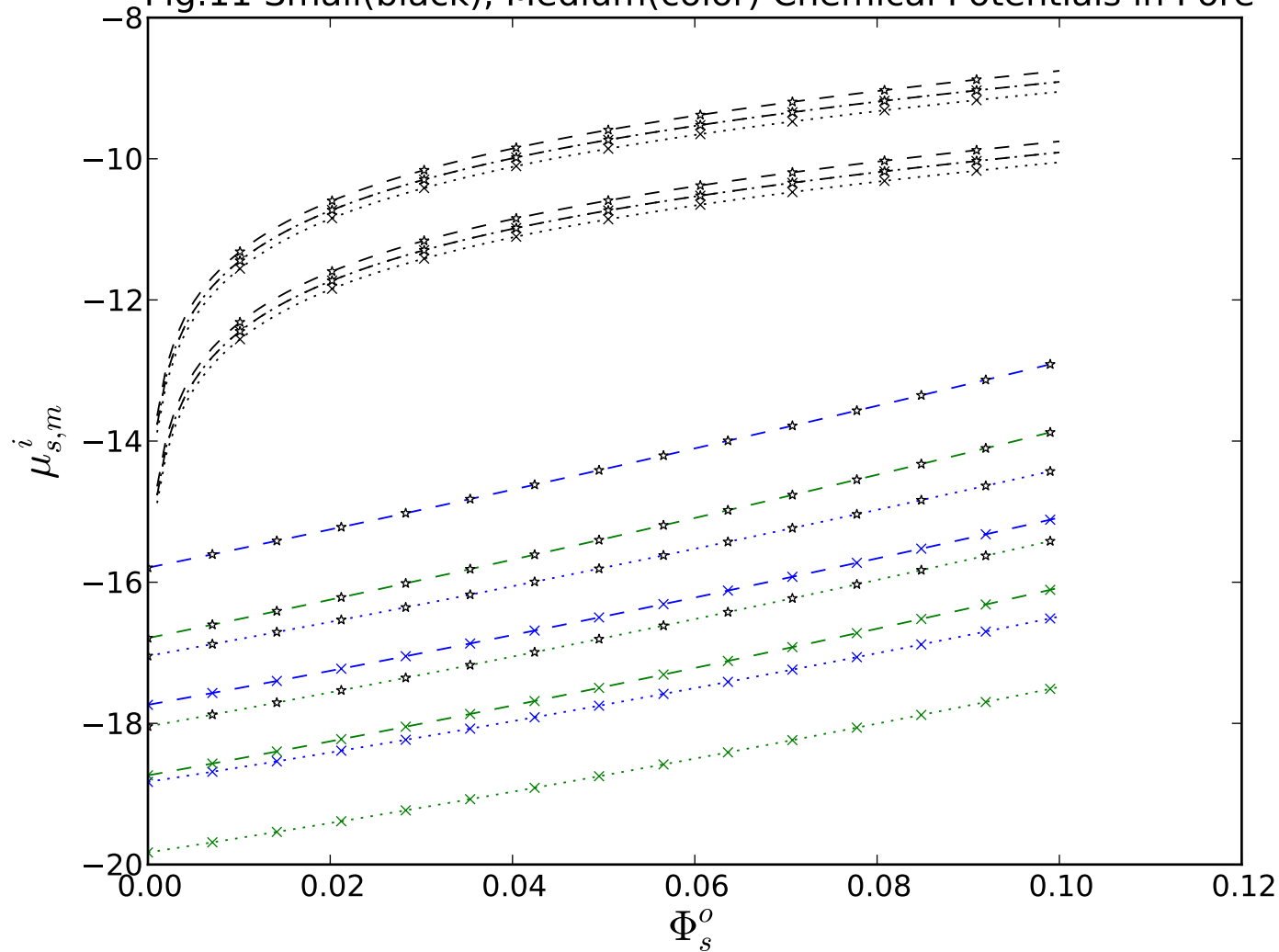


Fig.12 Number of displaced water molecules\* Chemical Potential of water

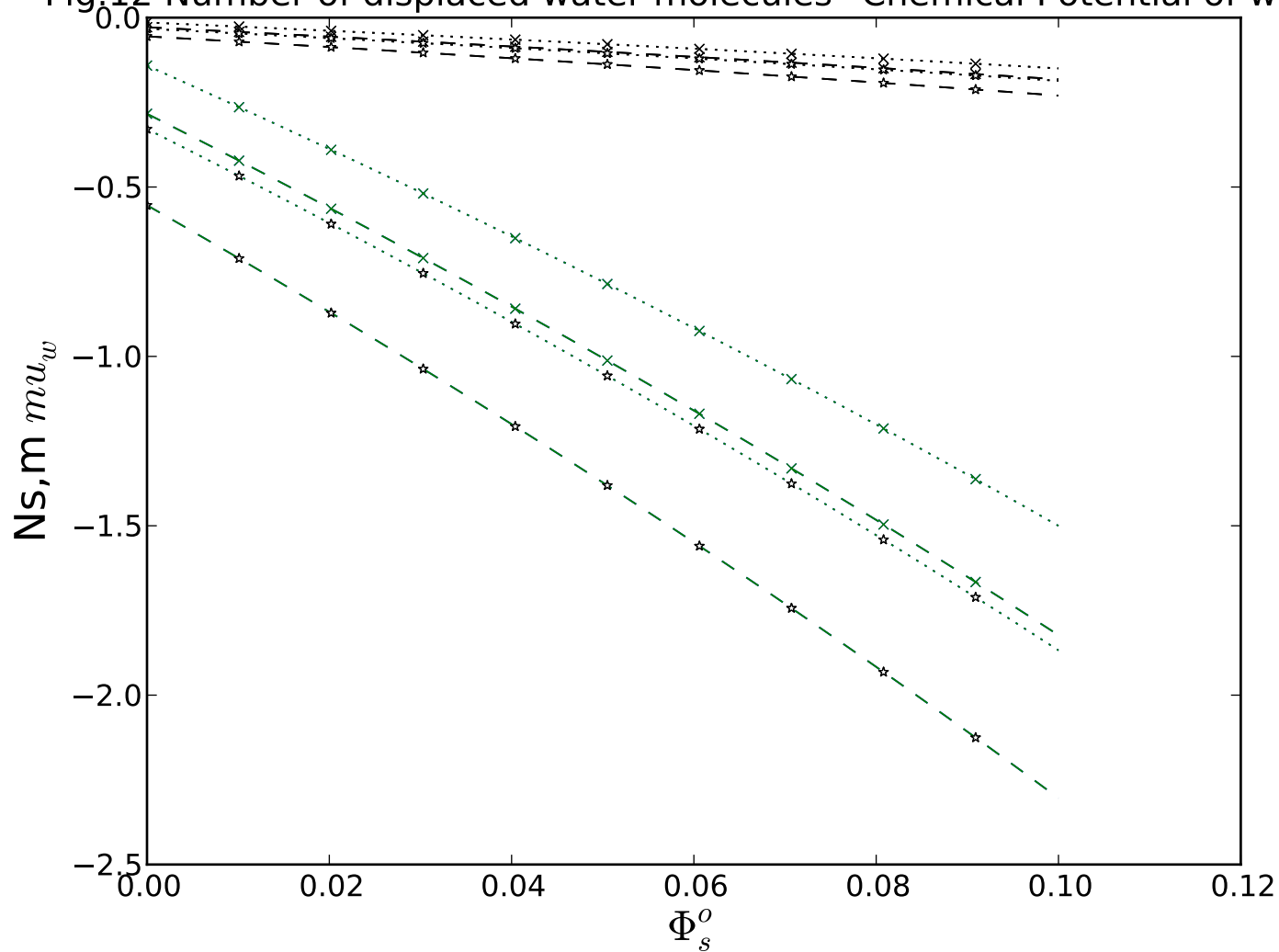
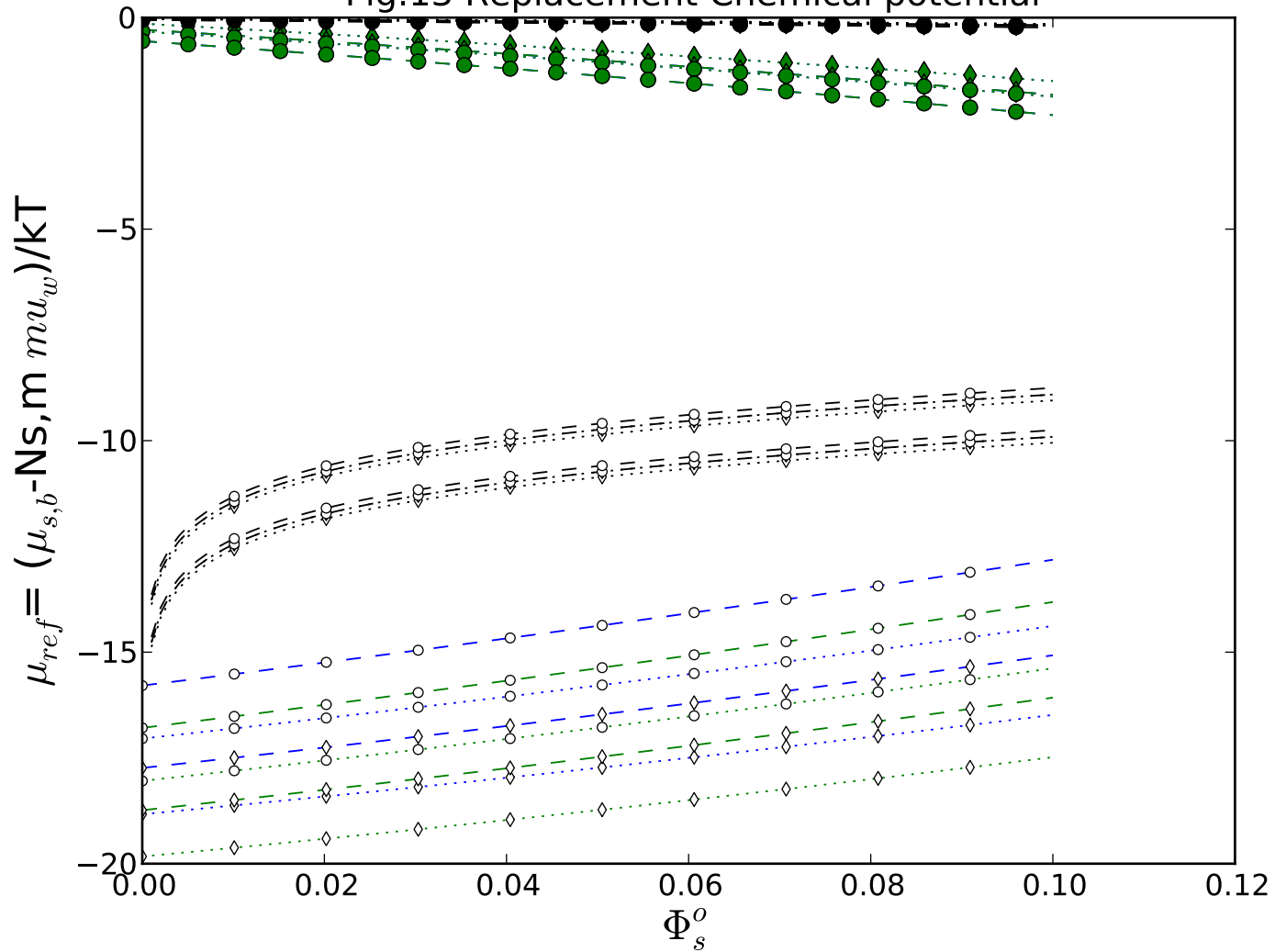
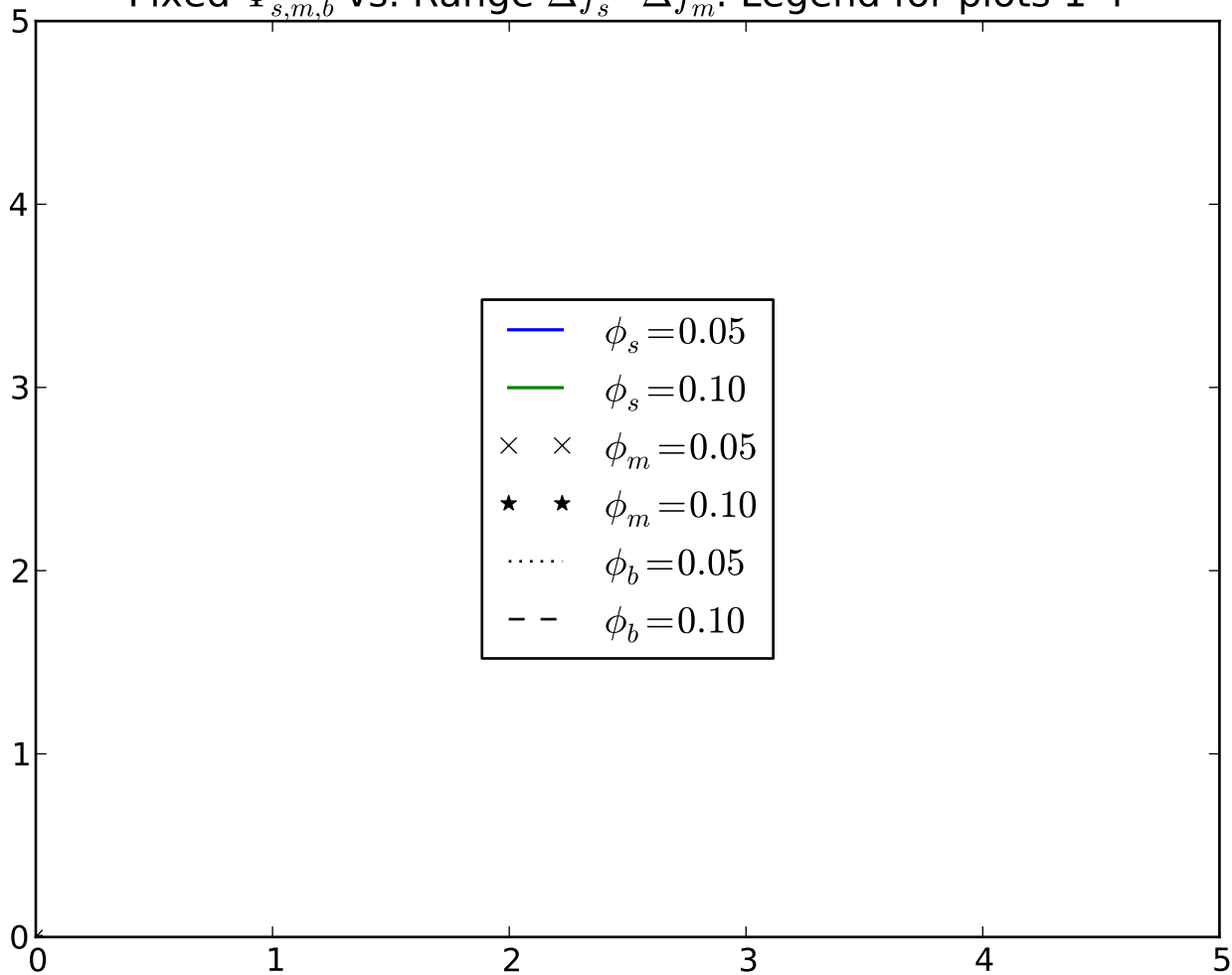


Fig.13 Replacement Chemical potential



Fixed  $\Phi_{s,m,b}^{out}$  vs. Range  $\Delta f_s = \Delta f_m$ : Legend for plots 1-4



Fixed df\_same, phi\_m,b(out) vs. range phi\_s(out): Legend for plots 5-11

