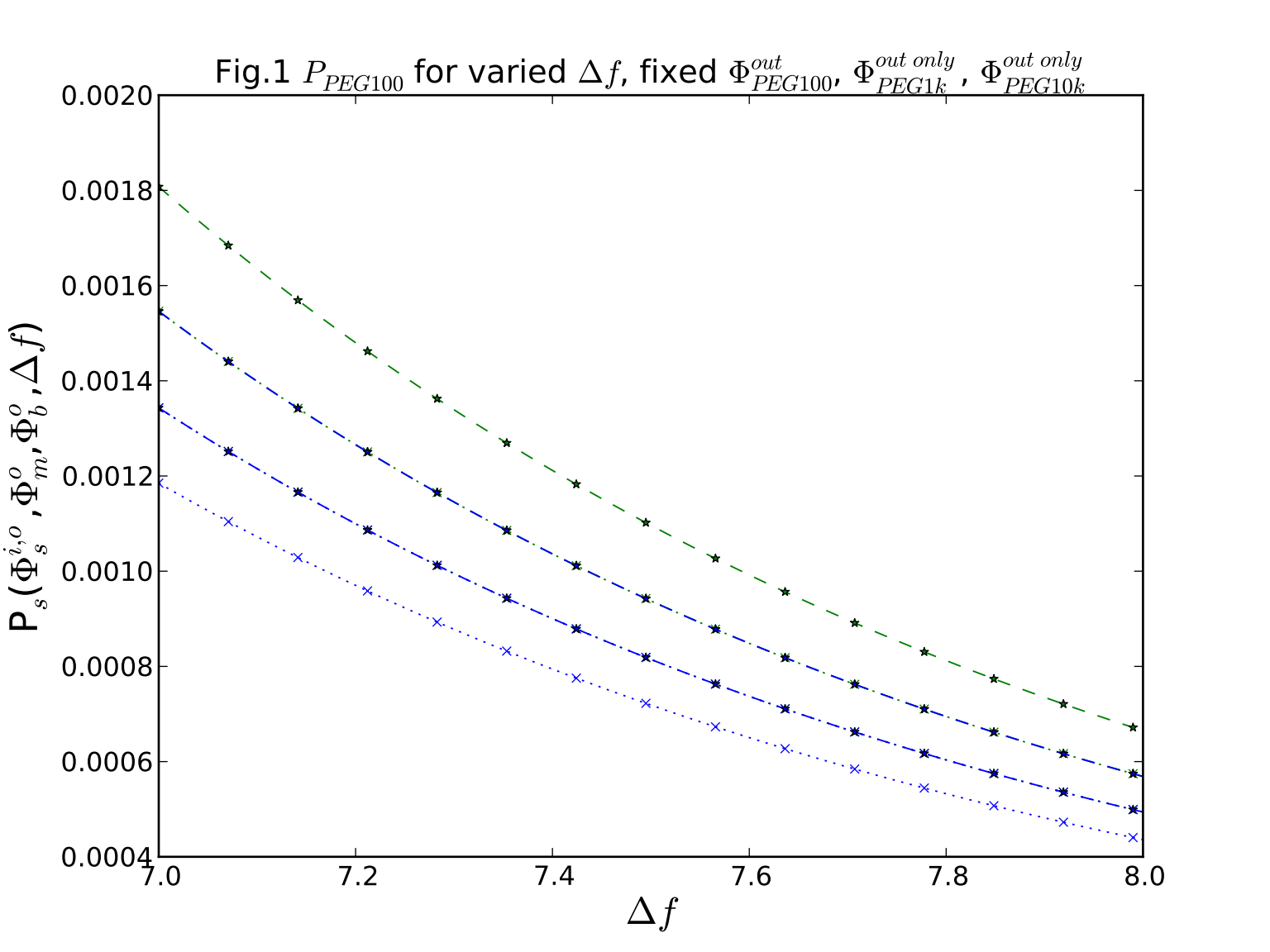


Fig.1 P_{PEG100} for varied Δf, fixed Φ^{out}_{PEG100}, $\Phi^{out\ only}_{PEG1k}$, $\Phi^{out\ only}_{PEG10k}$
0.0020
0.0018
0.0016
0.0014
0.0012
0.0010
0.0008
0.0006
0.0004
7.0
7.2
7.4
7.6
7.8
8.0
Δf
$P_s(\Phi^{i,o}_s, \Phi^o_m, \Phi^o_b, \Delta f)$

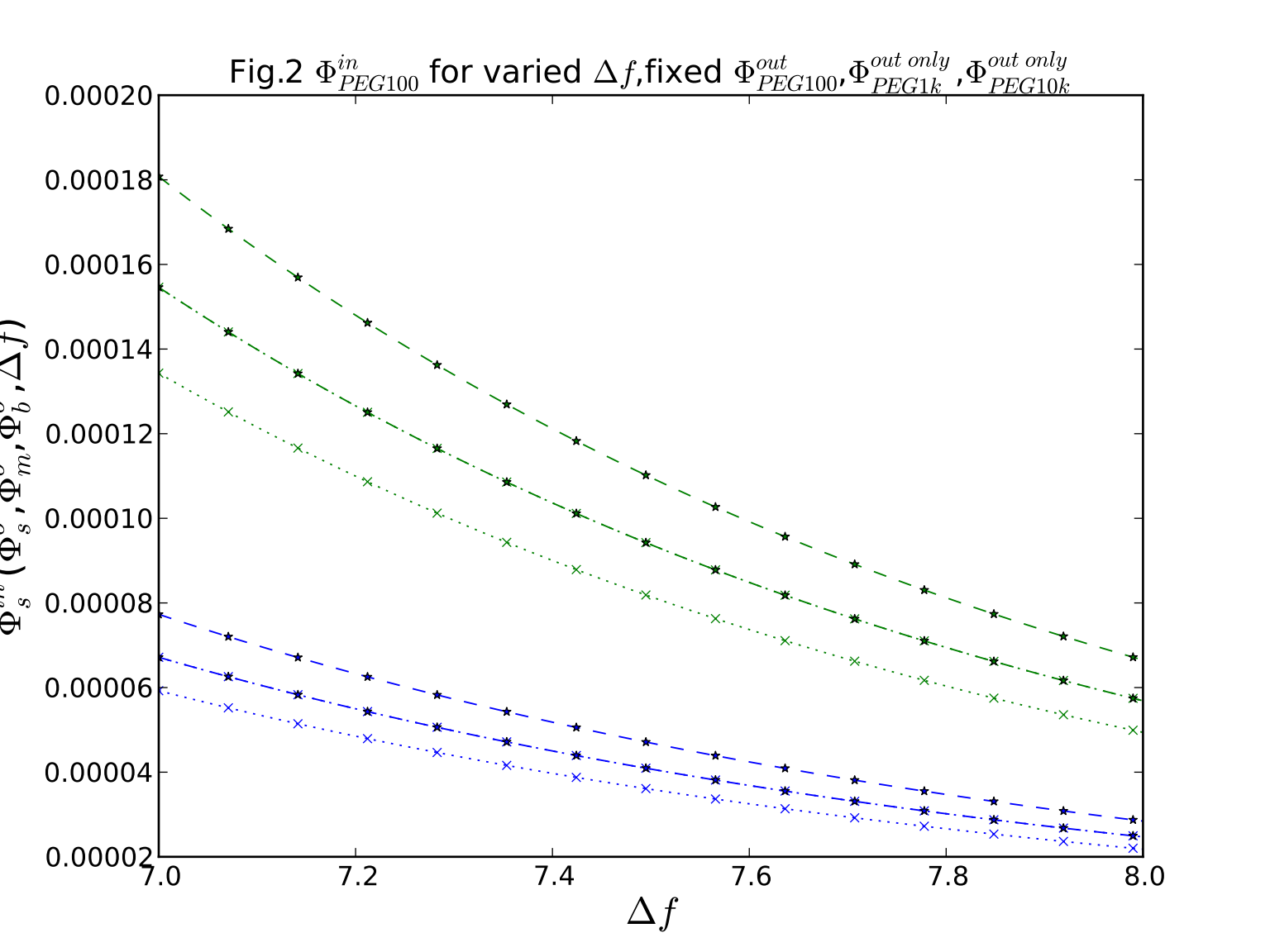


Fig.2 Φ^{in}_{PEG100} for varied Δf,fixed Φ^{out}_{PEG100},$\Phi^{out\ only}_{PEG1k}$,$\Phi^{out\ only}_{PEG10k}$
0.00020
0.00018
0.00016
0.00014
0.00012
0.00010
0.00008
0.00006
0.00004
0.00002
$\Phi^{in}_s(\Phi^{\circ}_s,\Phi^{\circ}_m,\Phi^{\circ}_b,\Delta f)$
7.0
7.2
7.4
7.6
7.8
8.0
Δf

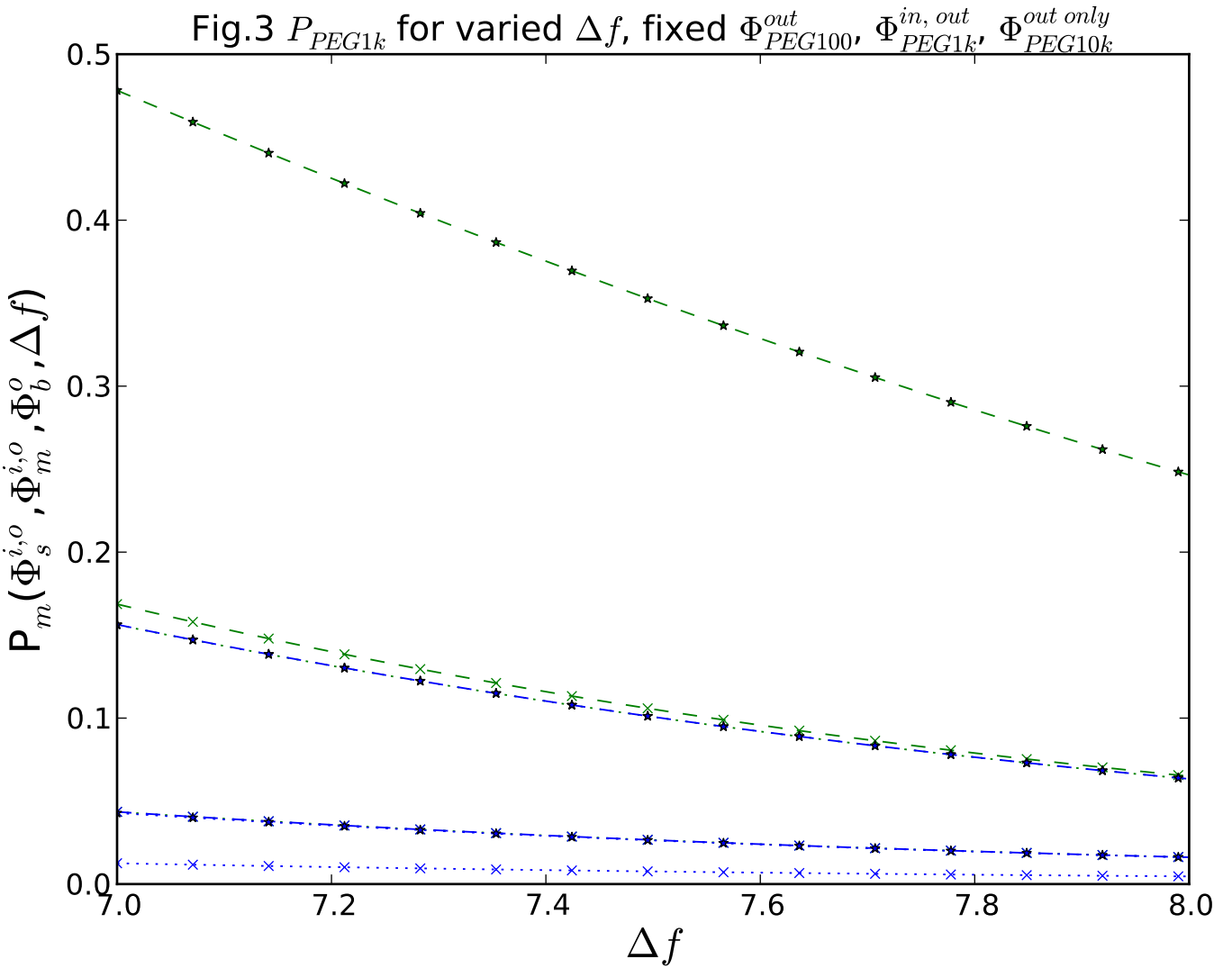


Fig.3 P_{PEG1k} for varied Δf, fixed Φ^{out}_{PEG100}, $\Phi^{in,\,out}_{PEG1k}$, $\Phi^{out\ only}_{PEG10k}$
$P_m(\Phi^{i,o}_s, \Phi^{i,o}_m, \Phi^{o}_b, \Delta f)$
0.0
0.1
0.2
0.3
0.4
0.5
7.0
7.2
7.4
7.6
7.8
8.0
Δf

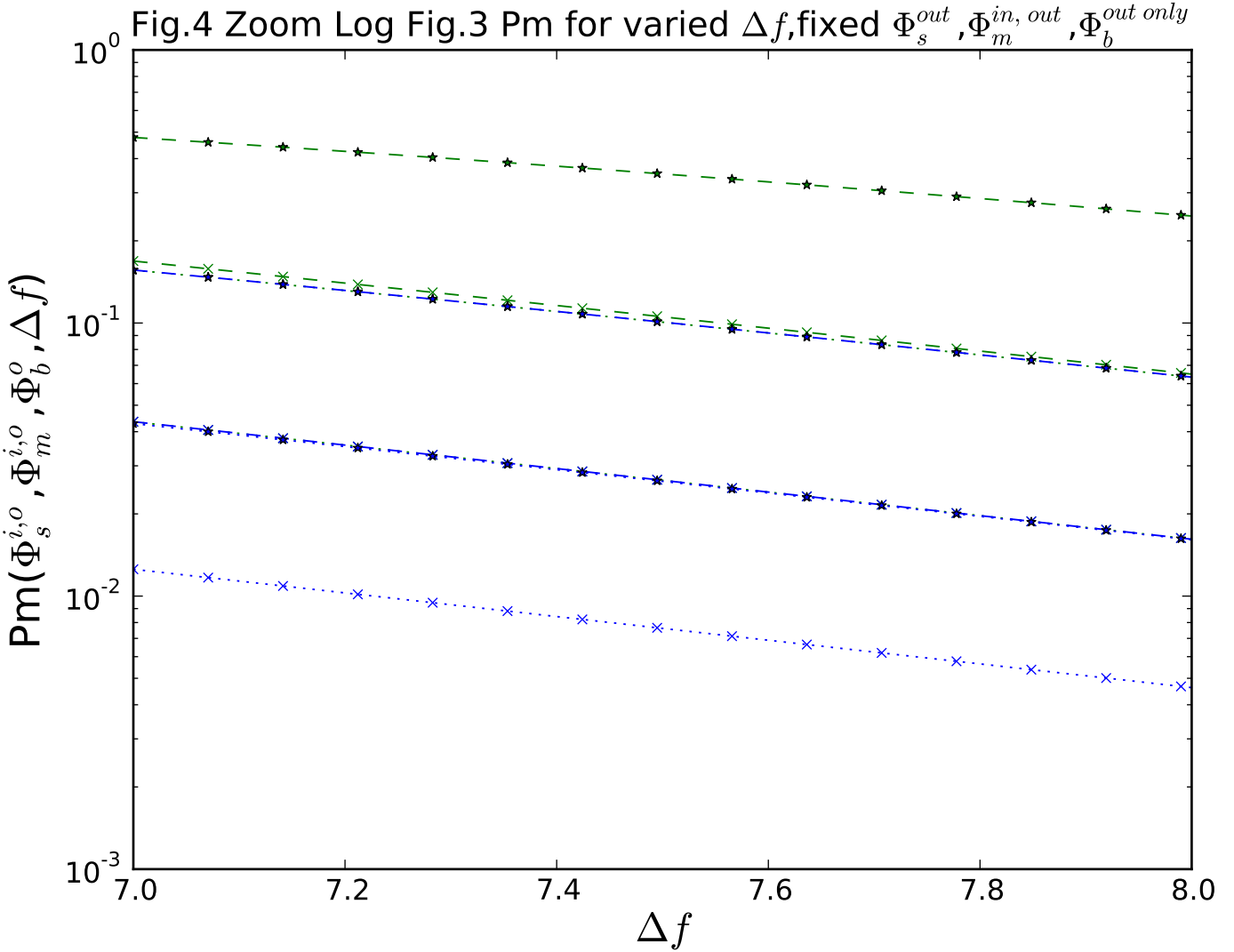


Fig.4 Zoom Log Fig.3 Pm for varied Δf,fixed Φ_s^{out},$\Phi_m^{in,\,out}$,$\Phi_b^{out\ only}$
10^0
10^{-1}
10^{-2}
10^{-3}
$\mathrm{Pm}(\Phi_s^{i,o},\Phi_m^{i,o},\Phi_b^{o},\Delta f)$
7.0
7.2
7.4
7.6
7.8
8.0
Δf

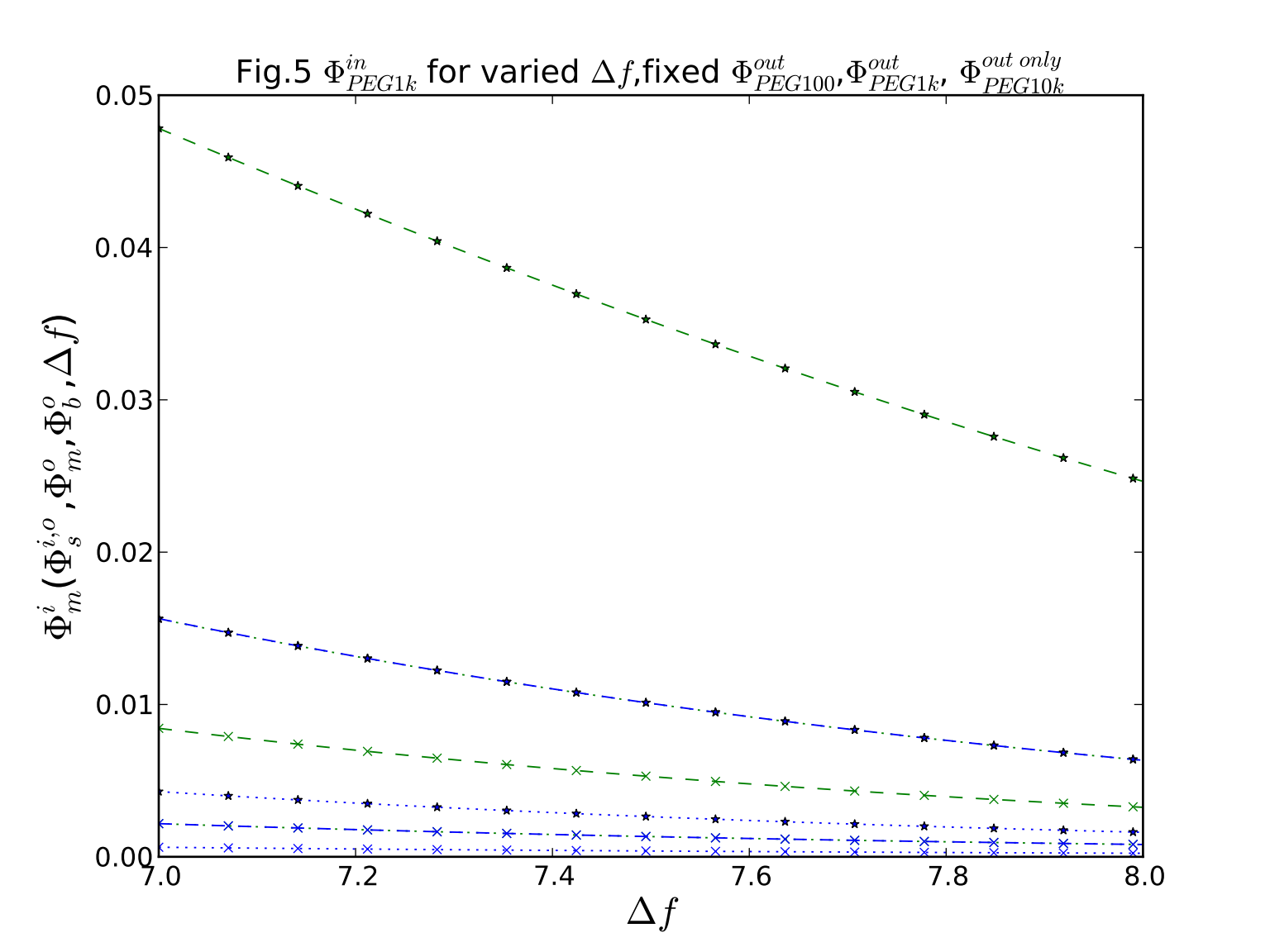


Fig.5 Φ^{in}_{PEG1k} for varied Δf,fixed Φ^{out}_{PEG100},Φ^{out}_{PEG1k}, $\Phi^{out\ only}_{PEG10k}$
0.05
0.04
0.03
0.02
0.01
0.00
7.0
7.2
7.4
7.6
7.8
8.0
Δf
$\Phi^i_m(\Phi^{i,o}_s,\Phi^o_m,\Phi^o_b,\Delta f)$

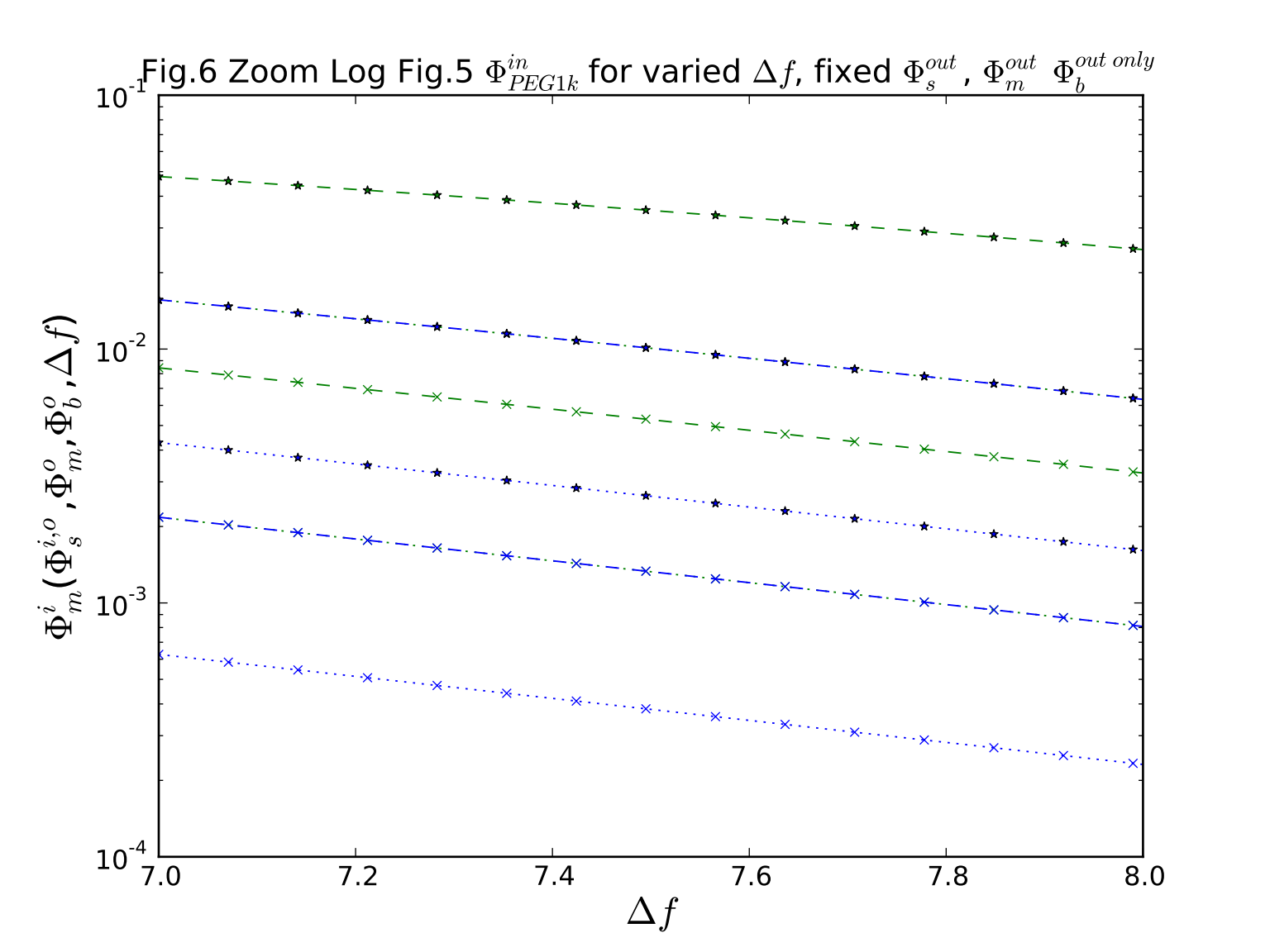
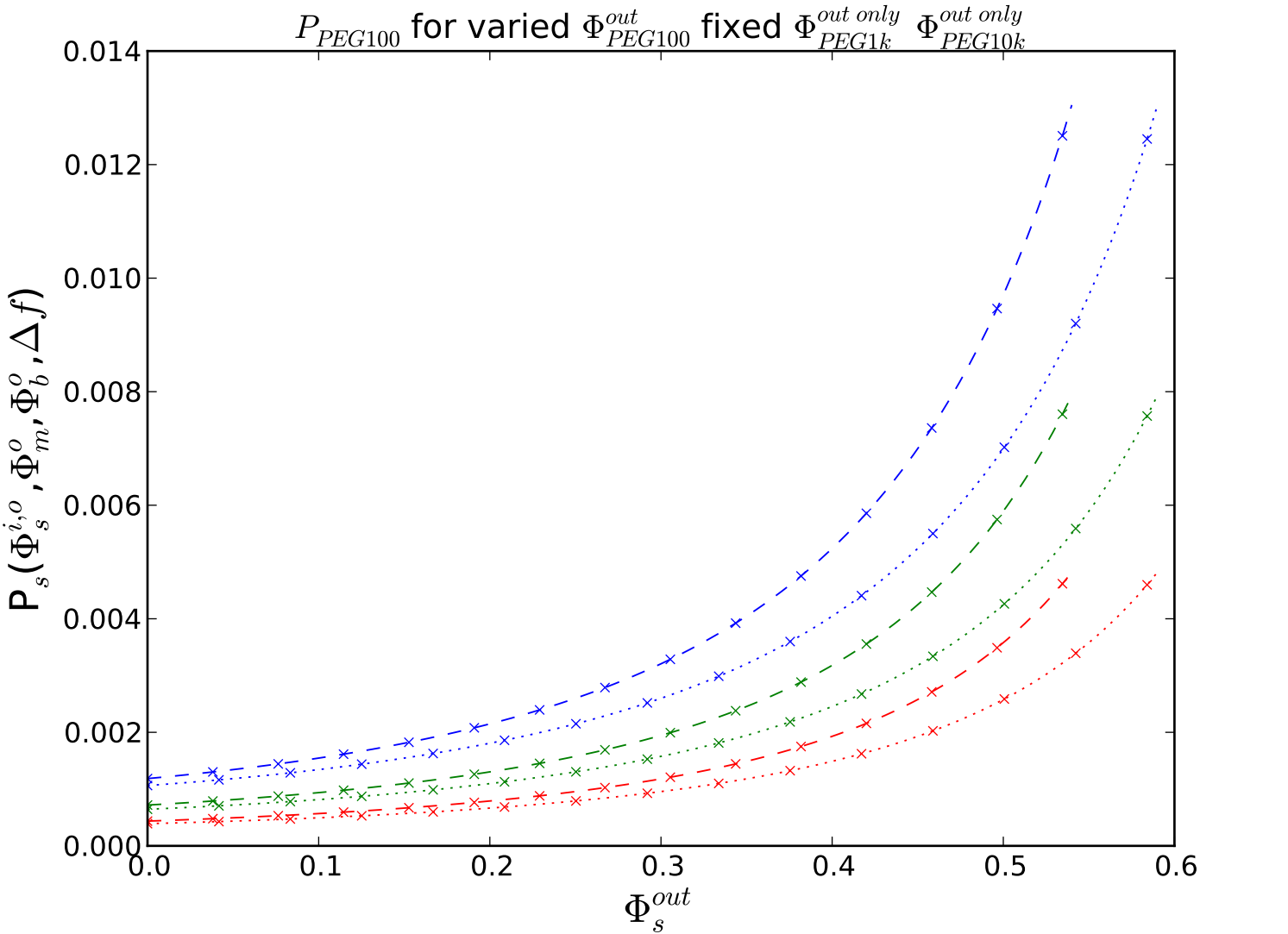
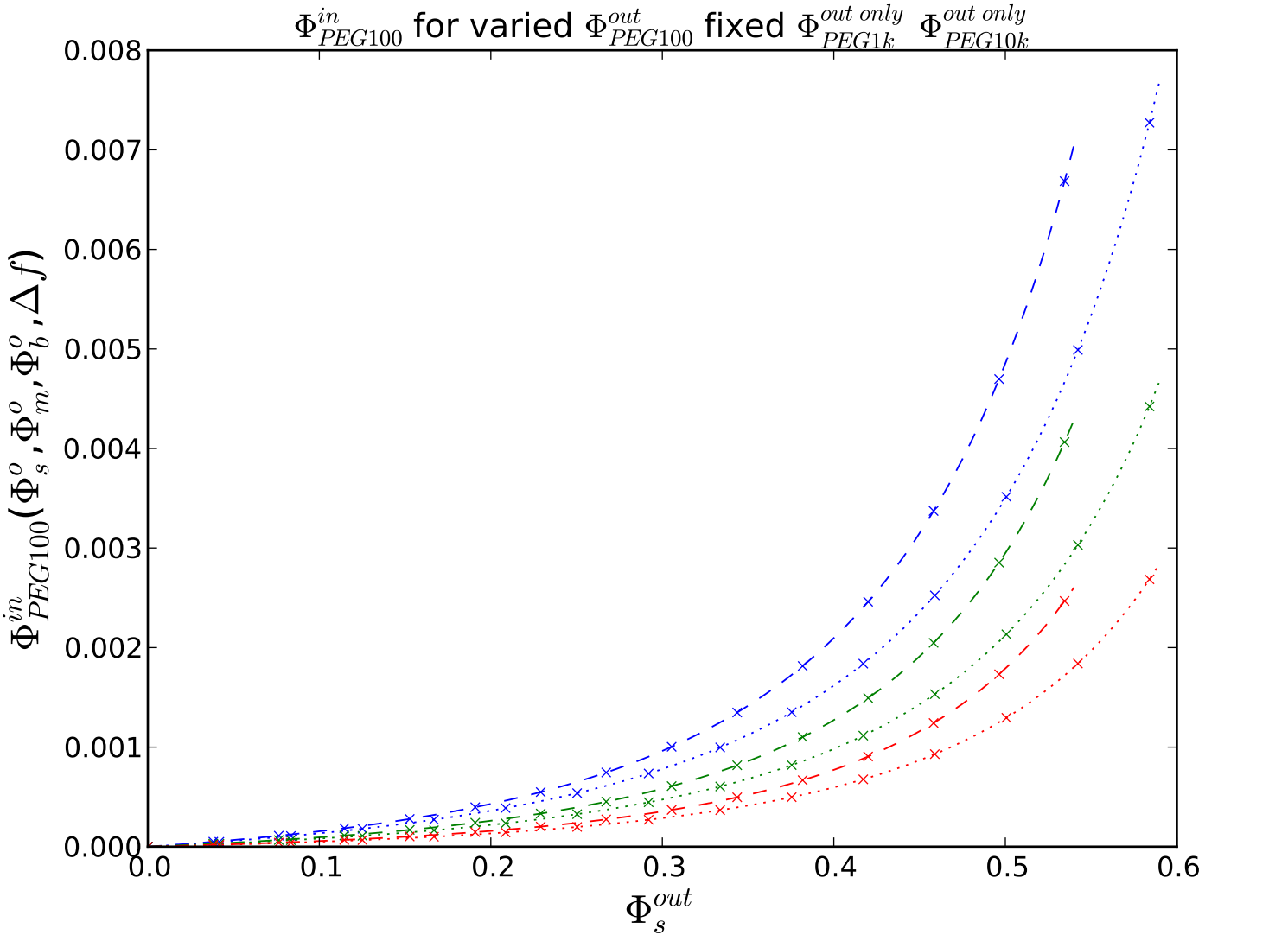
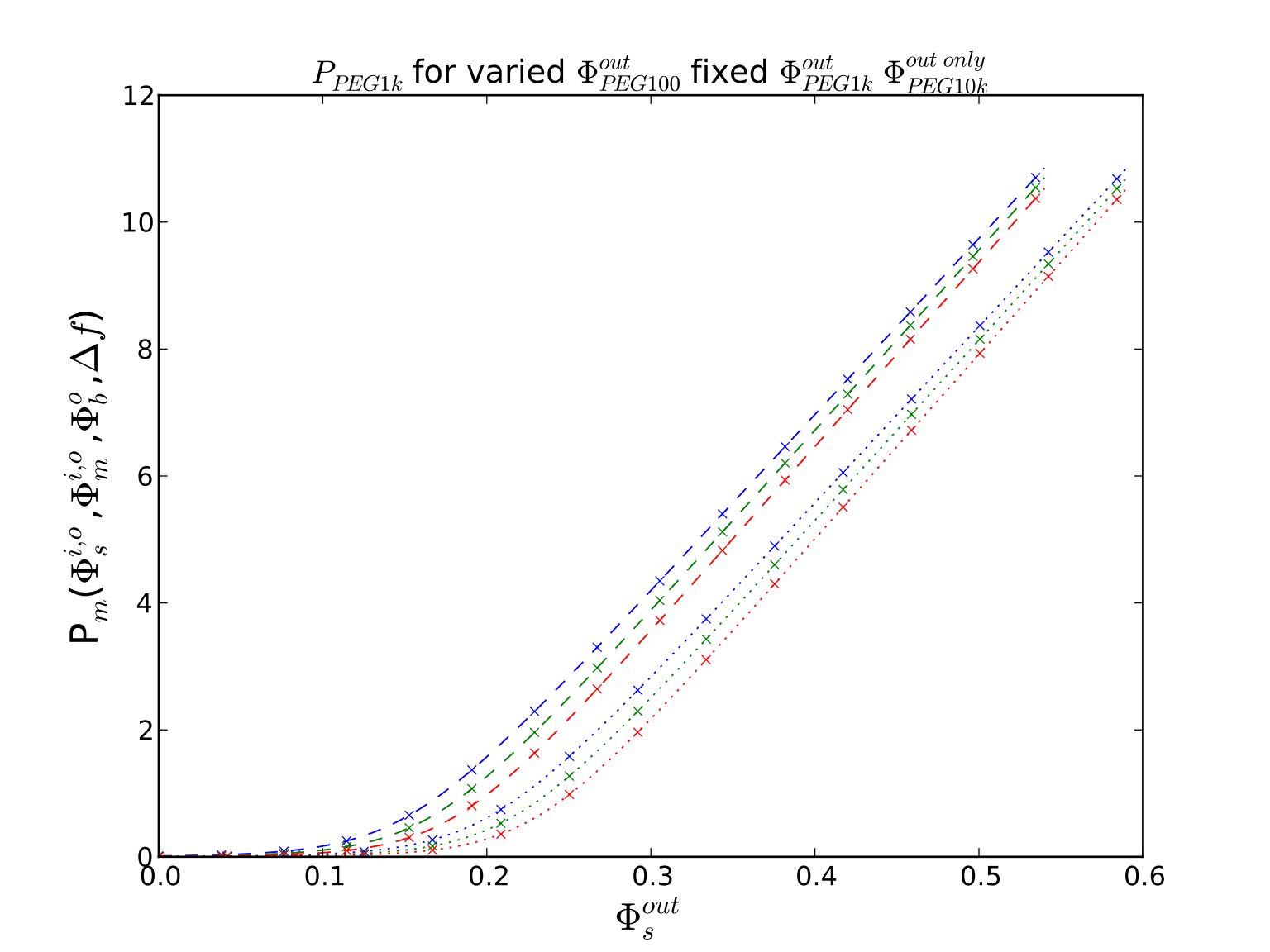
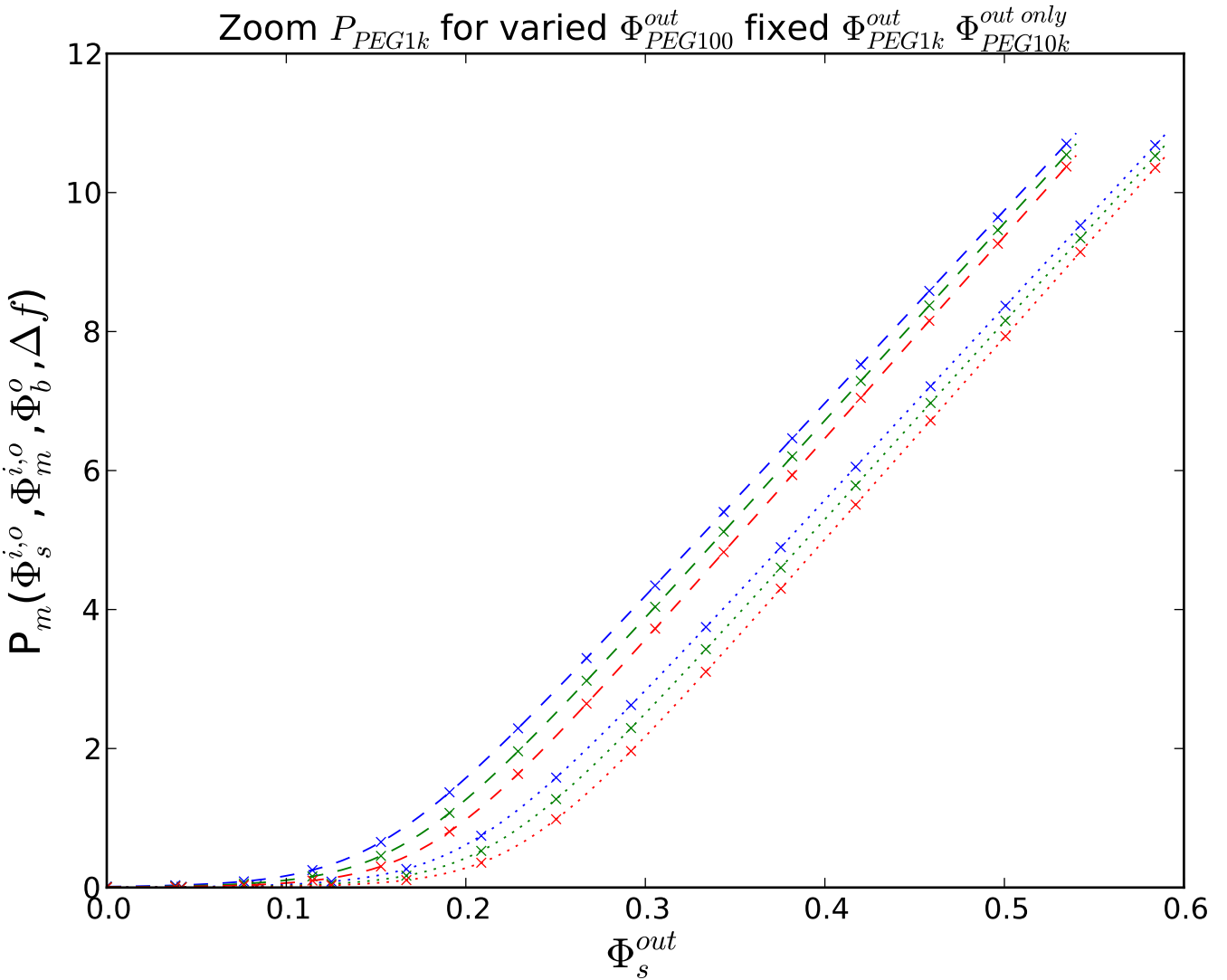


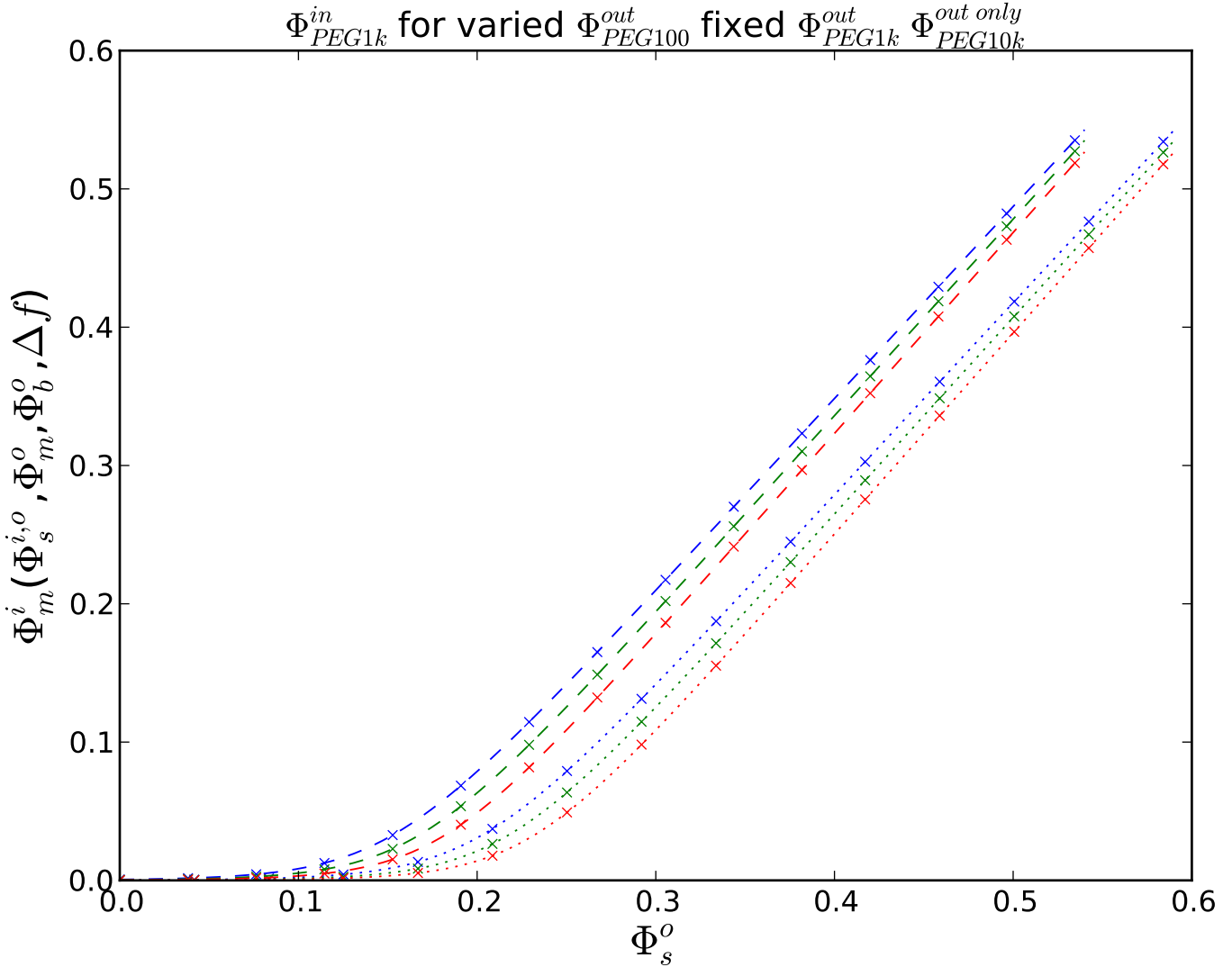
Fig.6 Zoom Log Fig.5 Φ^{in}_{PEG1k} for varied Δf, fixed Φ^{out}_s , Φ^{out}_m $\Phi^{out\ only}_b$
10^{-1}
10^{-2}
10^{-3}
10^{-4}
$\Phi^{i}_{m}(\Phi^{i,o}_{s},\Phi^{o}_{m},\Phi^{o}_{b},\Delta f)$
7.0
7.2
7.4
7.6
7.8
8.0
Δf

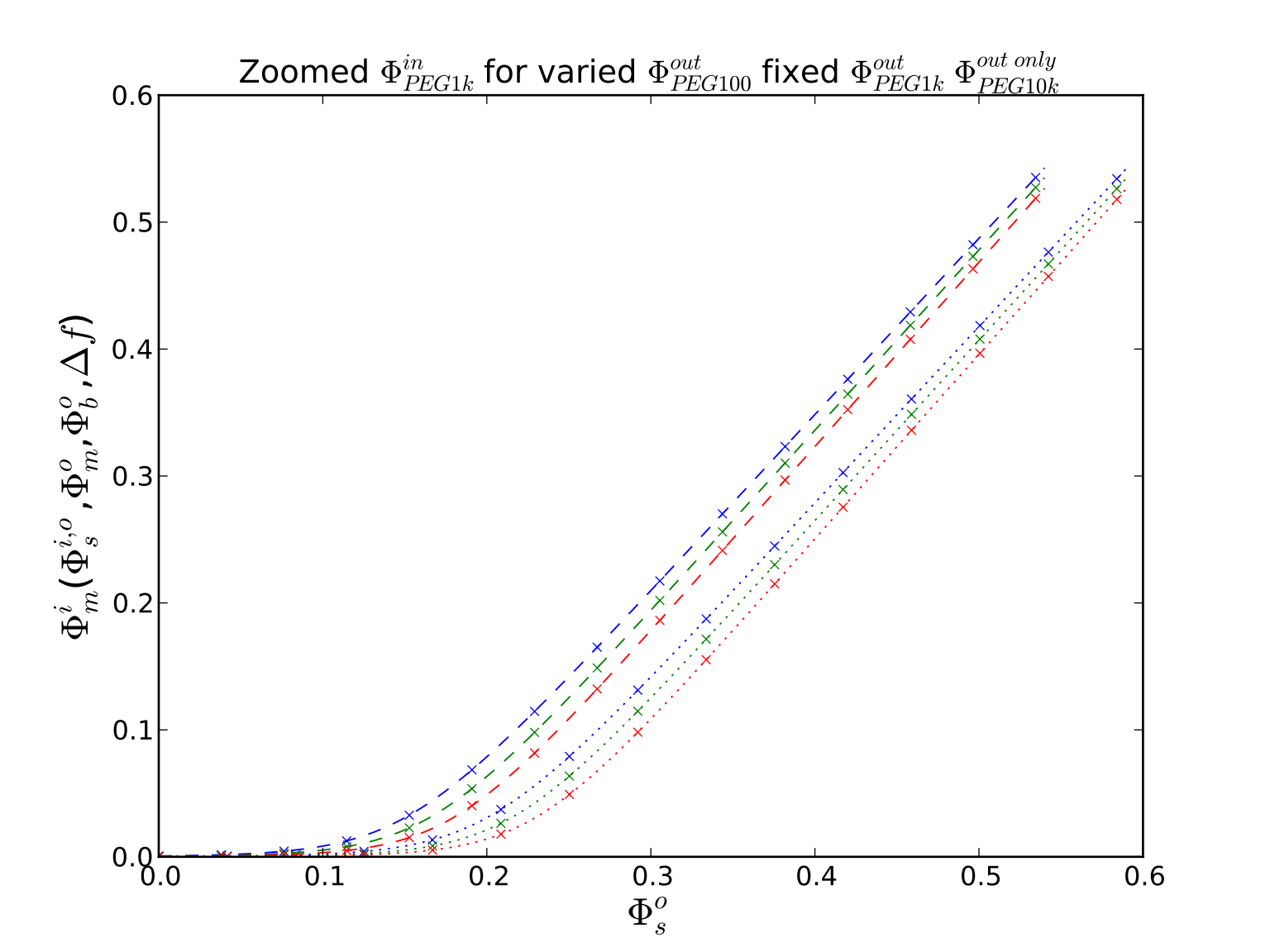

P_{PEG100} for varied Φ^{out}_{PEG100} fixed $\Phi^{out\ only}_{PEG1k}$ $\Phi^{out\ only}_{PEG10k}$
0.014
0.012
0.010
0.008
0.006
0.004
0.002
0.000
0.0
0.1
0.2
0.3
0.4
0.5
0.6
$P_s(\Phi^{i,o}_s, \Phi^o_m, \Phi^o_b, \Delta f)$
Φ^{out}_s

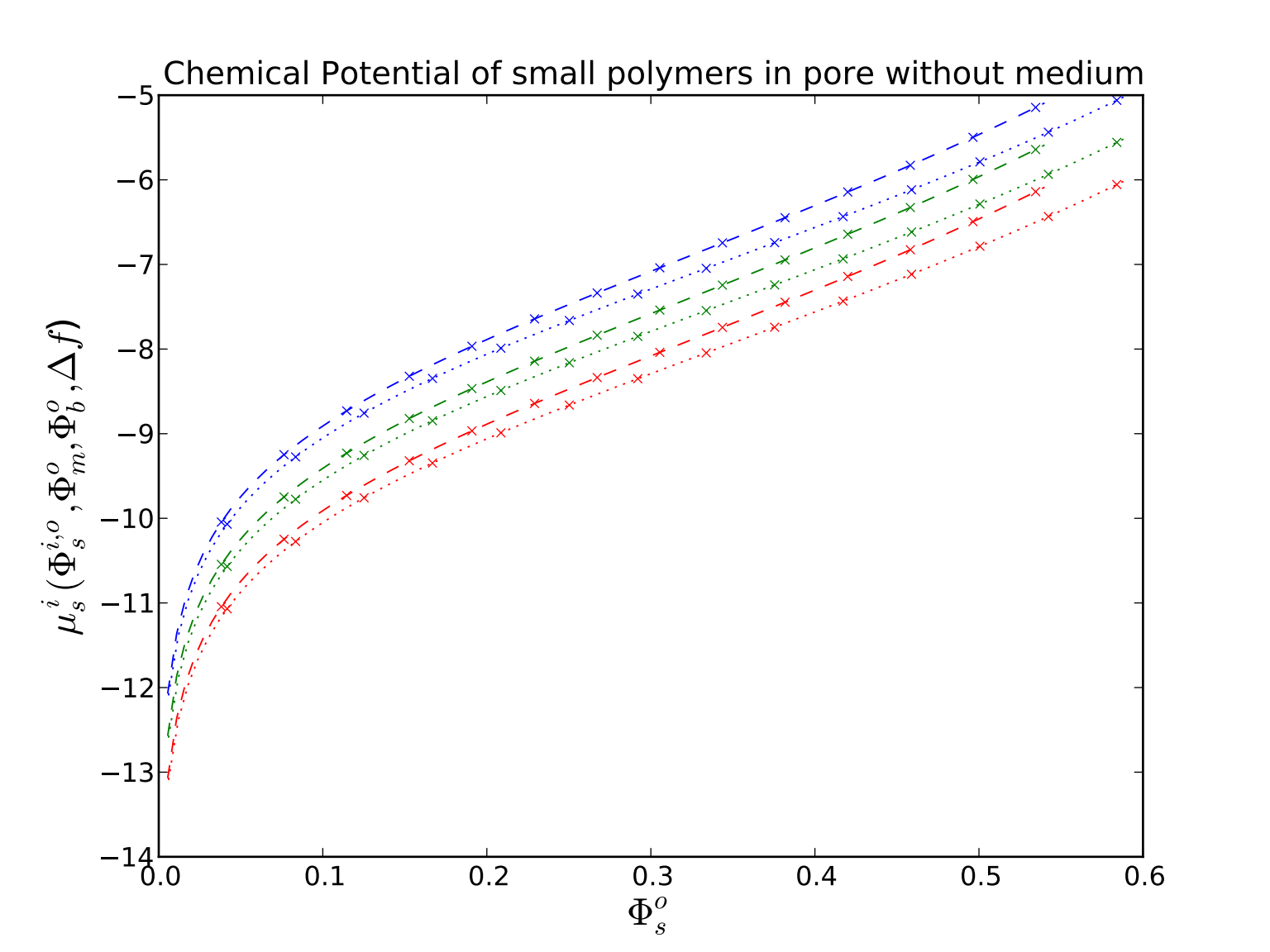

Φ^{in}_{PEG100} for varied Φ^{out}_{PEG100} fixed $\Phi^{out\ only}_{PEG1k}$ $\Phi^{out\ only}_{PEG10k}$
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0.000
$\Phi^{in}_{PEG100}(\Phi^o_s, \Phi^o_m, \Phi^o_b, \Delta f)$
0.0
0.1
0.2
0.3
0.4
0.5
0.6
Φ^{out}_s

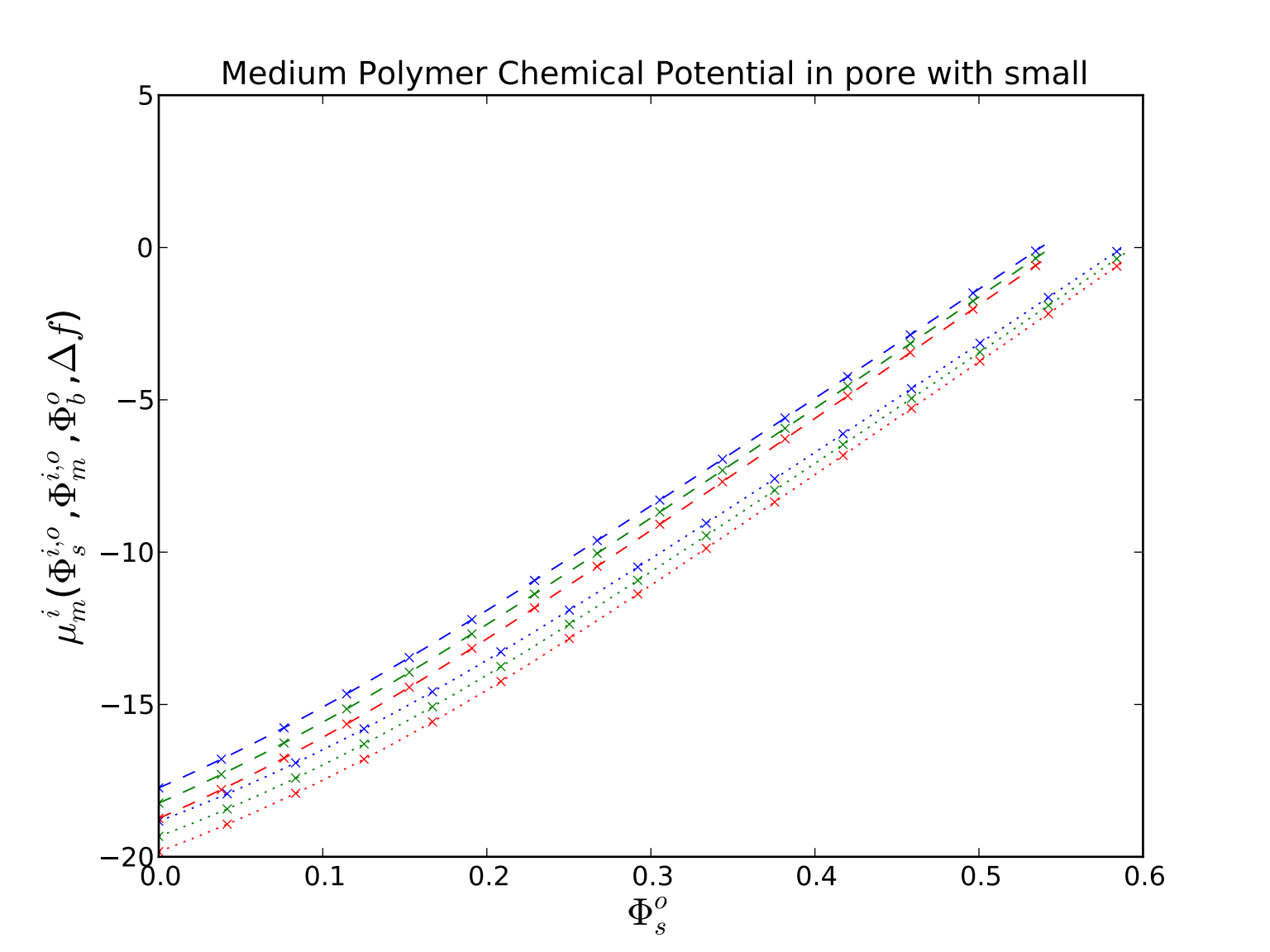

P_{PEG1k} for varied Φ^{out}_{PEG100} fixed Φ^{out}_{PEG1k} $\Phi^{out\ only}_{PEG10k}$
$P_m(\Phi^{i,o}_s, \Phi^{i,o}_m, \Phi^o_b, \Delta f)$
Φ^{out}_s
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0
2
4
6
8
10
12

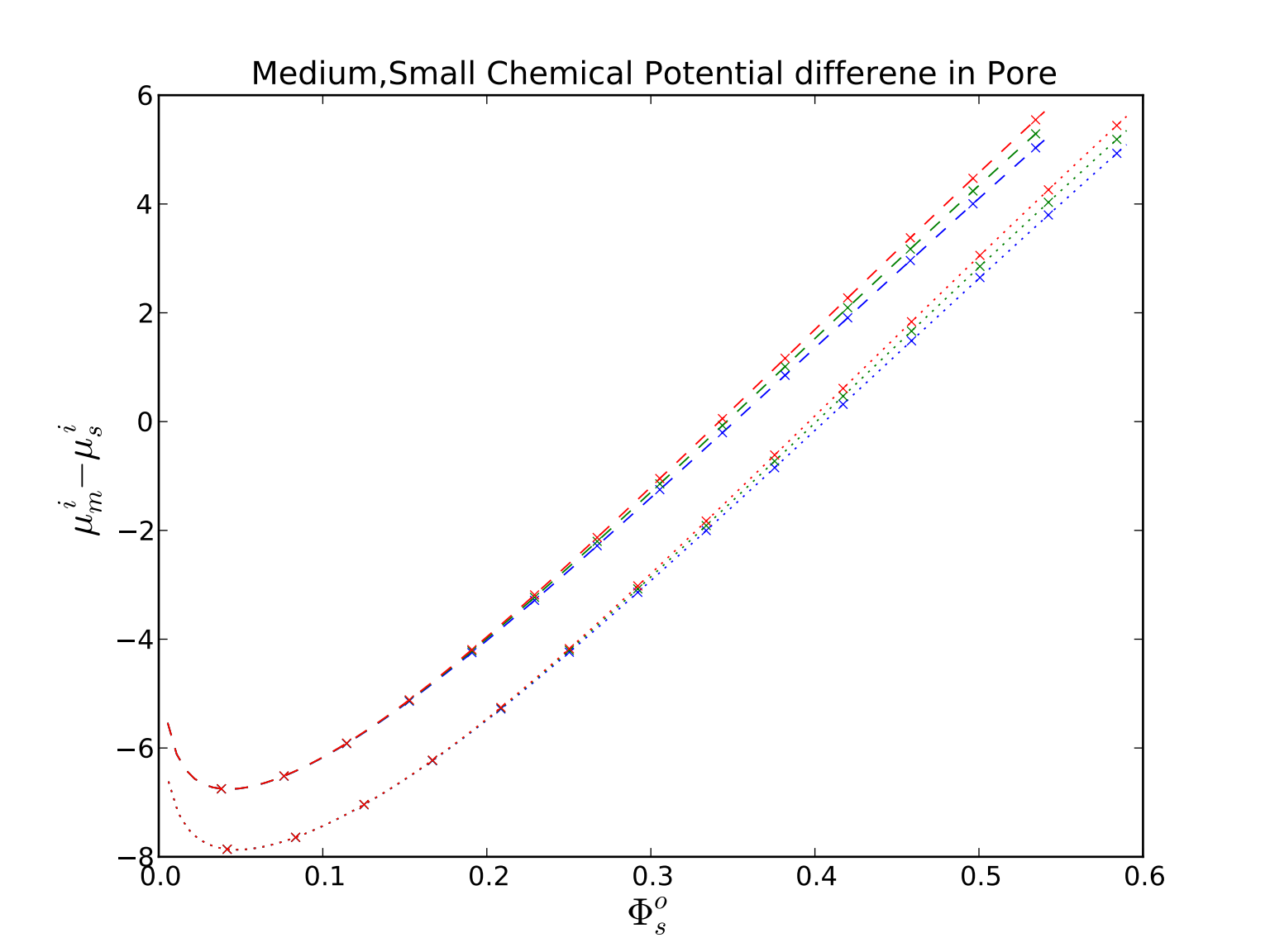

Zoom P_{PEG1k} for varied Φ^{out}_{PEG100} fixed Φ^{out}_{PEG1k} $\Phi^{out\ only}_{PEG10k}$
$P_m(\Phi^{i,o}_s, \Phi^{i,o}_m, \Phi^o_b, \Delta f)$
Φ^{out}_s
0
2
4
6
8
10
12
0.0
0.1
0.2
0.3
0.4
0.5
0.6

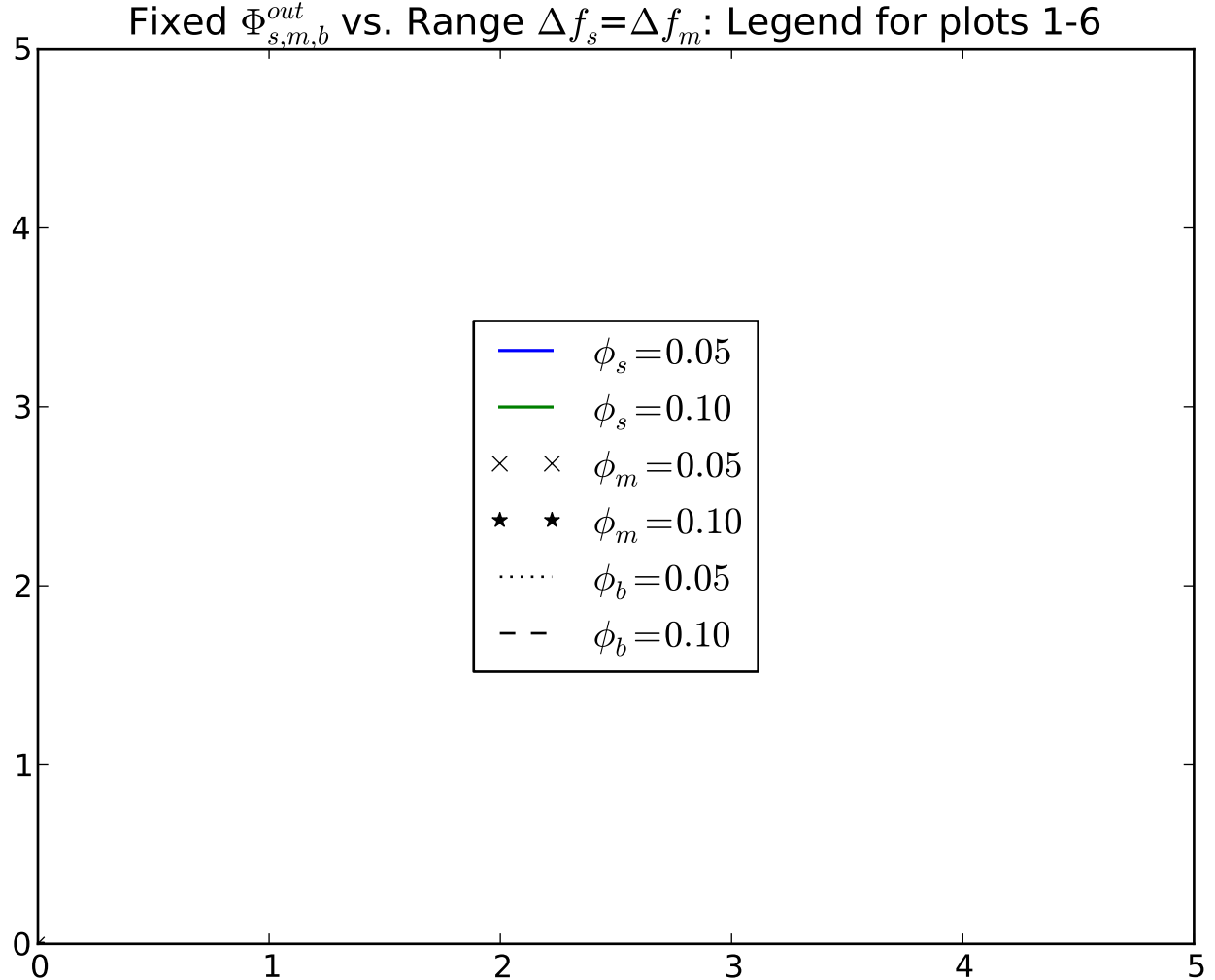

Φ^{in}_{PEG1k} for varied Φ^{out}_{PEG100} fixed Φ^{out}_{PEG1k} $\Phi^{out\ only}_{PEG10k}$
$\Phi^{i}_{m}(\Phi^{i,o}_{s},\Phi^{o}_{m},\Phi^{o}_{b},\Delta f)$
Φ^{o}_{s}
0.0
0.1
0.2
0.3
0.4
0.5
0.6


Zoomed Φ^{in}_{PEG1k} for varied Φ^{out}_{PEG100} fixed Φ^{out}_{PEG1k} $\Phi^{out\ only}_{PEG10k}$
$\Phi^{i}_{m}(\Phi^{i,o}_{s},\Phi^{o}_{m},\Phi^{o}_{b},\Delta f)$
Φ^{o}_{s}
0.0
0.1
0.2
0.3
0.4
0.5
0.6


Chemical Potential of small polymers in pore without medium
$\mu_s^i(\Phi_s^{i,o}, \Phi_m^o, \Phi_b^o, \Delta f)$
Φ_s^o
−5
−6
−7
−8
−9
−10
−11
−12
−13
−14
0.0
0.1
0.2
0.3
0.4
0.5
0.6


Medium Polymer Chemical Potential in pore with small
$\mu_m^i(\Phi_s^{i,o}, \Phi_m^{i,o}, \Phi_b^o, \Delta f)$
Φ_s^o
5
0
−5
−10
−15
−20
0.0
0.1
0.2
0.3
0.4
0.5
0.6


Medium,Small Chemical Potential differene in Pore
6
4
2
0
−2
−4
−6
−8
0.0
0.1
0.2
0.3
0.4
0.5
0.6
$\mu_m^i - \mu_s^i$
Φ_s^o


Fixed $\Phi^{out}_{s,m,b}$ vs. Range Δf_s=Δf_m: Legend for plots 1-6
ϕ_s=0.05
ϕ_s=0.10
ϕ_m=0.05
ϕ_m=0.10
ϕ_b=0.05
ϕ_b=0.10
0
1
2
3
4
5