$\underline{\mathcal{N}=4}$

$\binom{\mathcal{N}_f}{\mathcal{T}_m}=\binom{2}{4}$ 4.23 $\Rightarrow$ [Fig.1: $(13\text{-}1)^*$] (70)

$\binom{\mathcal{N}_f}{\mathcal{T}_m}=\binom{2}{3}$

$\#SC_{sn}^{\mathcal{SN}}=1$ 4.26 $\Rightarrow$ [Fig.3: $(1\text{-}2)$] (71)

$\#SC_{sn}^{\mathcal{SN}}=2$ $3.13(\overset{*}{1}1)$ $\Rightarrow$ [Fig.4: $(3\text{-}1)$] (72)

$\binom{\mathcal{N}_f}{\mathcal{T}_m}=\binom{2}{2}$

$\deg J=-2$ $4.12(c)$ $\Rightarrow$ [Fig.2: $(5\text{-}3)$] (73)

$\deg J=0$

$\#SC_s^{\mathcal{S}}=0$ $\begin{cases} 4.12(a)\simeq 5.13 \\ \simeq 5.14(a)\simeq 6.7 \end{cases}$ $\Rightarrow$ $\begin{cases} \text{[Fig.2: } (4\text{-}1)] \\ \text{[Fig.2: } (4\text{-}4)] \\ \text{[Fig.2: } (5\text{-}1)] \\ \text{[Fig.2: } (5\text{-}4)] \end{cases}$ (74)

$\#SC_s^{\mathcal{S}}=1$ $4.12(b)$ $\Rightarrow$ $\begin{cases} \text{[Fig.2: } (3\text{-}1)] \\ \text{[Fig.2: } (3\text{-}4)] \end{cases}$ (75)

$\deg J=2$

$M_{sep}^{\tilde{n}}=2$ $4.12(d)$ $\Rightarrow$ [Fig.2: $(4\text{-}2)$] (76)

$M_{sep}^{\tilde{n}}=3$ $\begin{cases} 4.12(e)\simeq 5.14(b) \\ \simeq 6.8 \end{cases}$ $\Rightarrow$ [Fig.2: $(3\text{-}2)$] (77)

$\binom{\mathcal{N}_f}{\mathcal{T}_m}=\binom{1}{4}$

$\deg J=-2$ $4.5(b)$ $\Rightarrow$ [Fig.10: (3)] (78)

$\deg J=0$ $\begin{cases} 4.5(a)\simeq 5.8 \\ \simeq 6.5 \end{cases}$ $\Rightarrow$ [Fig.10: (4)] (79)

$\deg J=2$ $4.5(c)$ $\Rightarrow$ [Fig.10: (5)] (80)

$\binom{\mathcal{N}_f}{\mathcal{T}_m}=\binom{1}{4}$ 4.17 $\Rightarrow$ [*omitted*] (81)