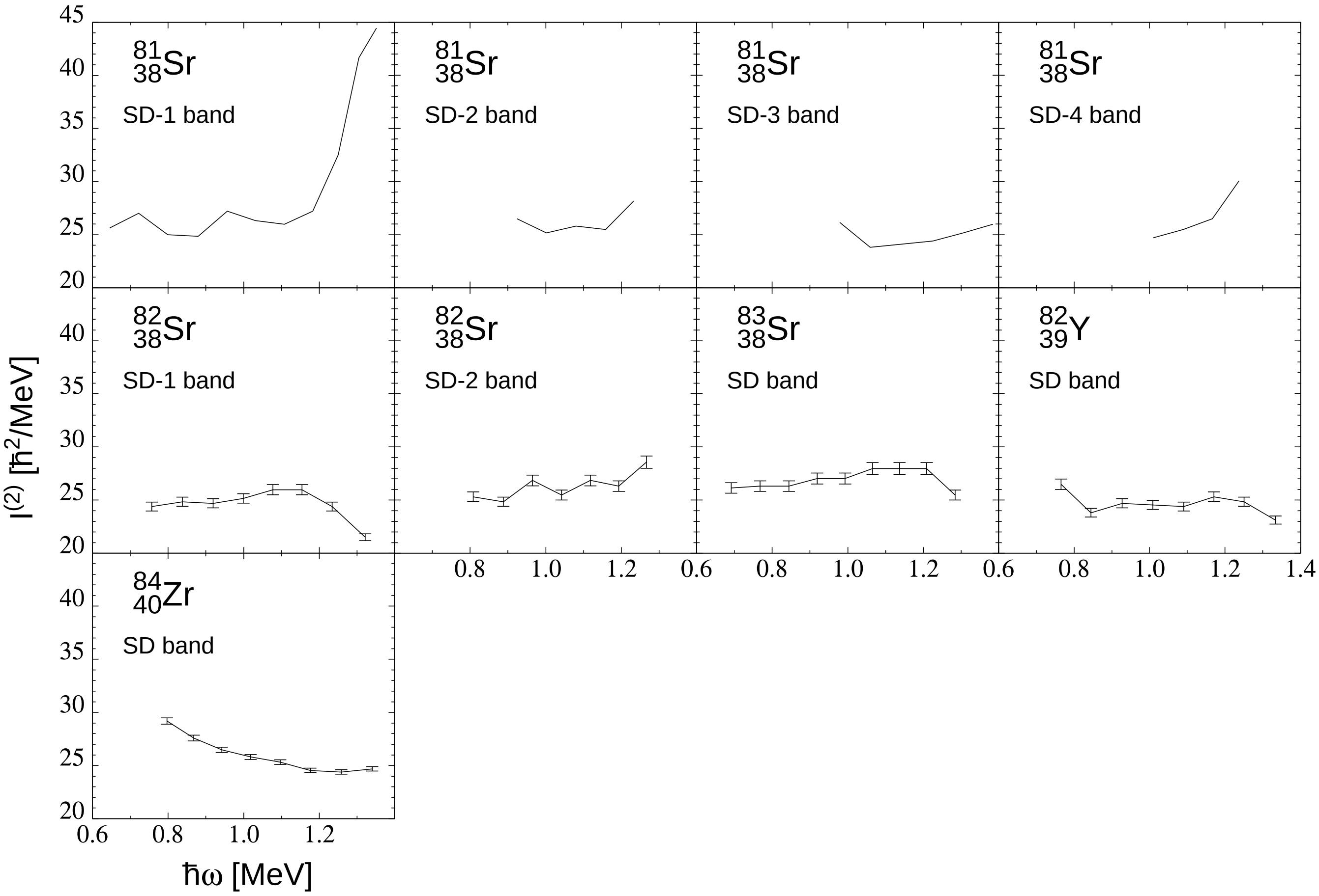
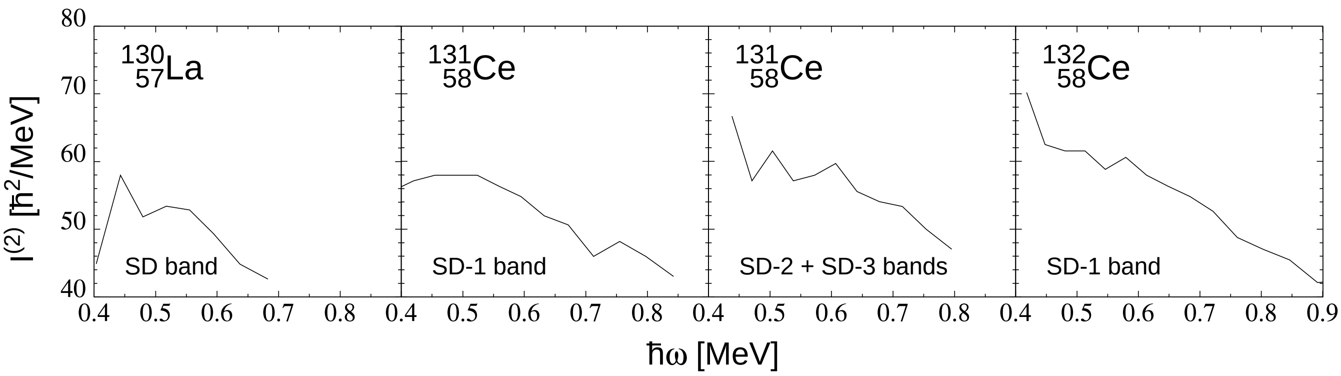
## Plots of Dynamic Moments of Inertia

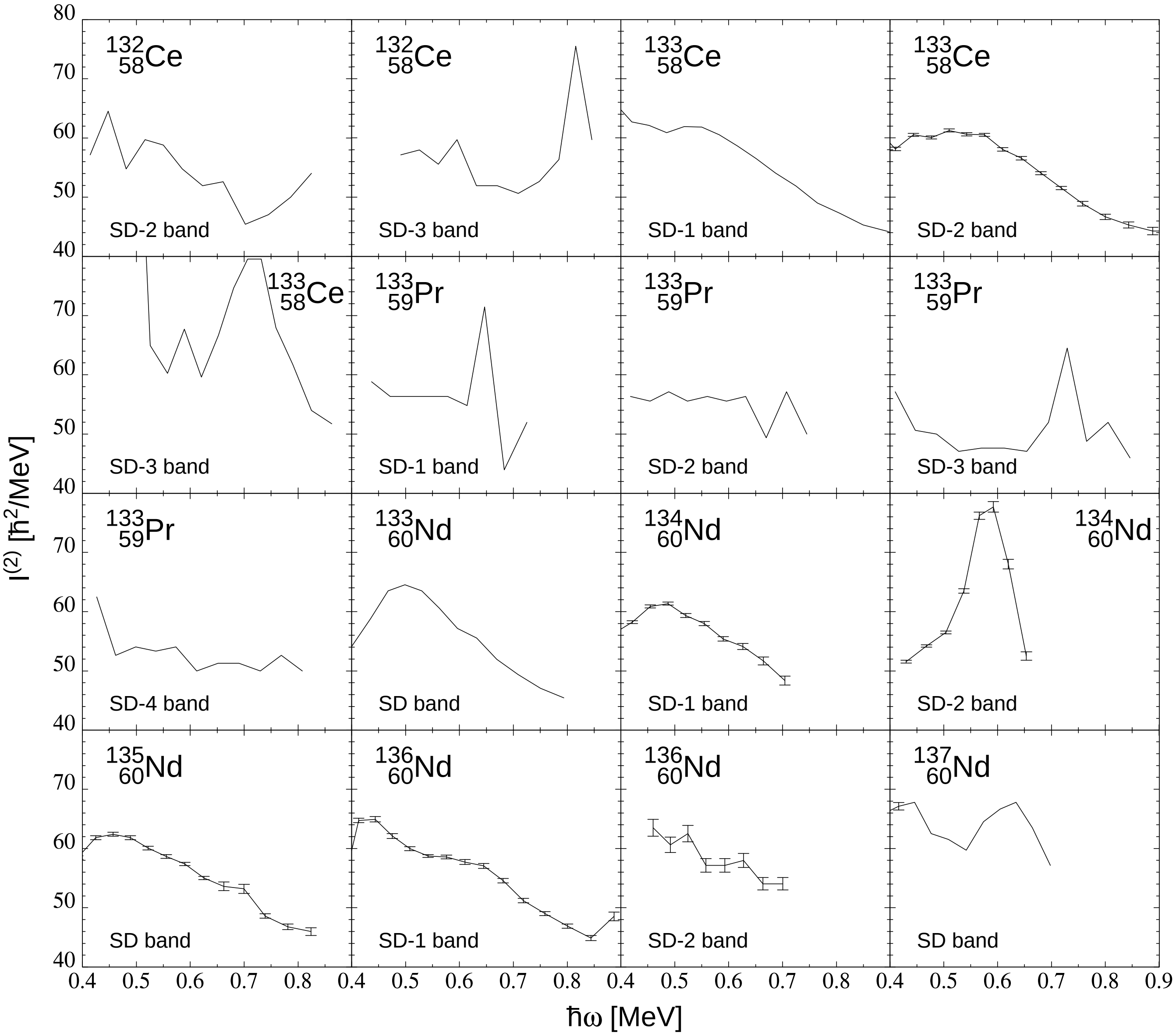
The dynamic moments of inertia ($I^{(2)}$) are plotted for all bands as a function of rotational frequency ($\hbar\omega$). Experimental uncertainties, calculated assuming the $\gamma$-ray energy uncertainties can be added in quadrature, are shown when available. The values of $I^{(1)}$,$I^{(2)}$, and $\hbar\omega$ are tabulated with the data.

# Region I: A=81- 84

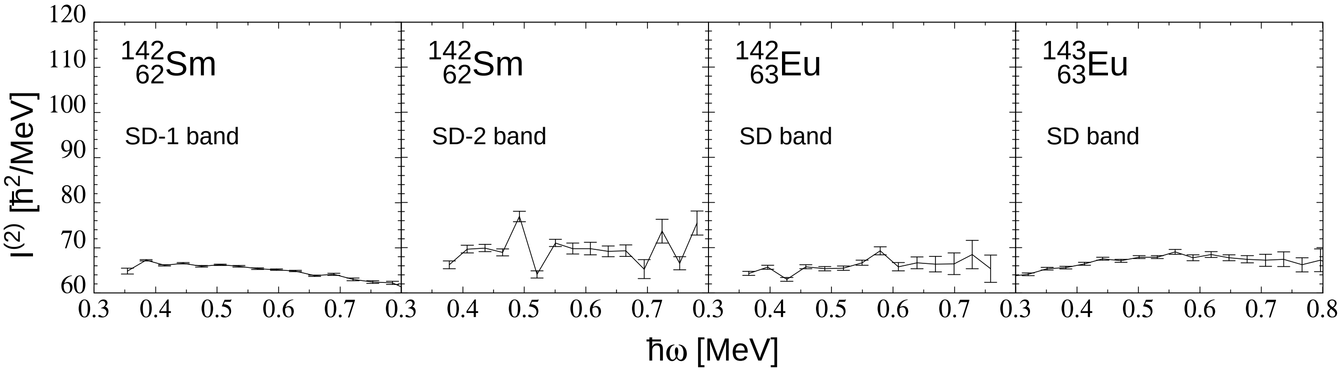


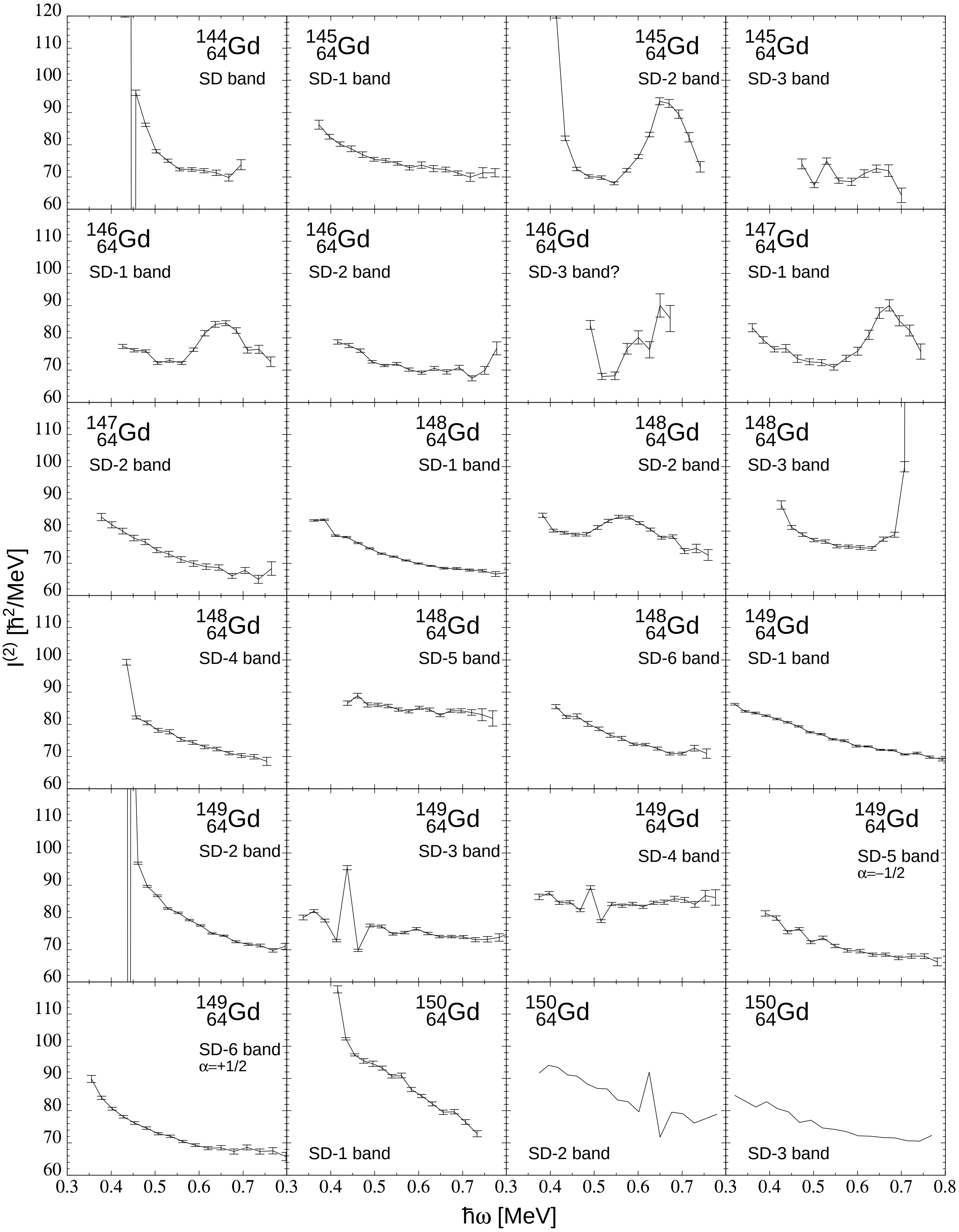

# Region II: A=130 -137



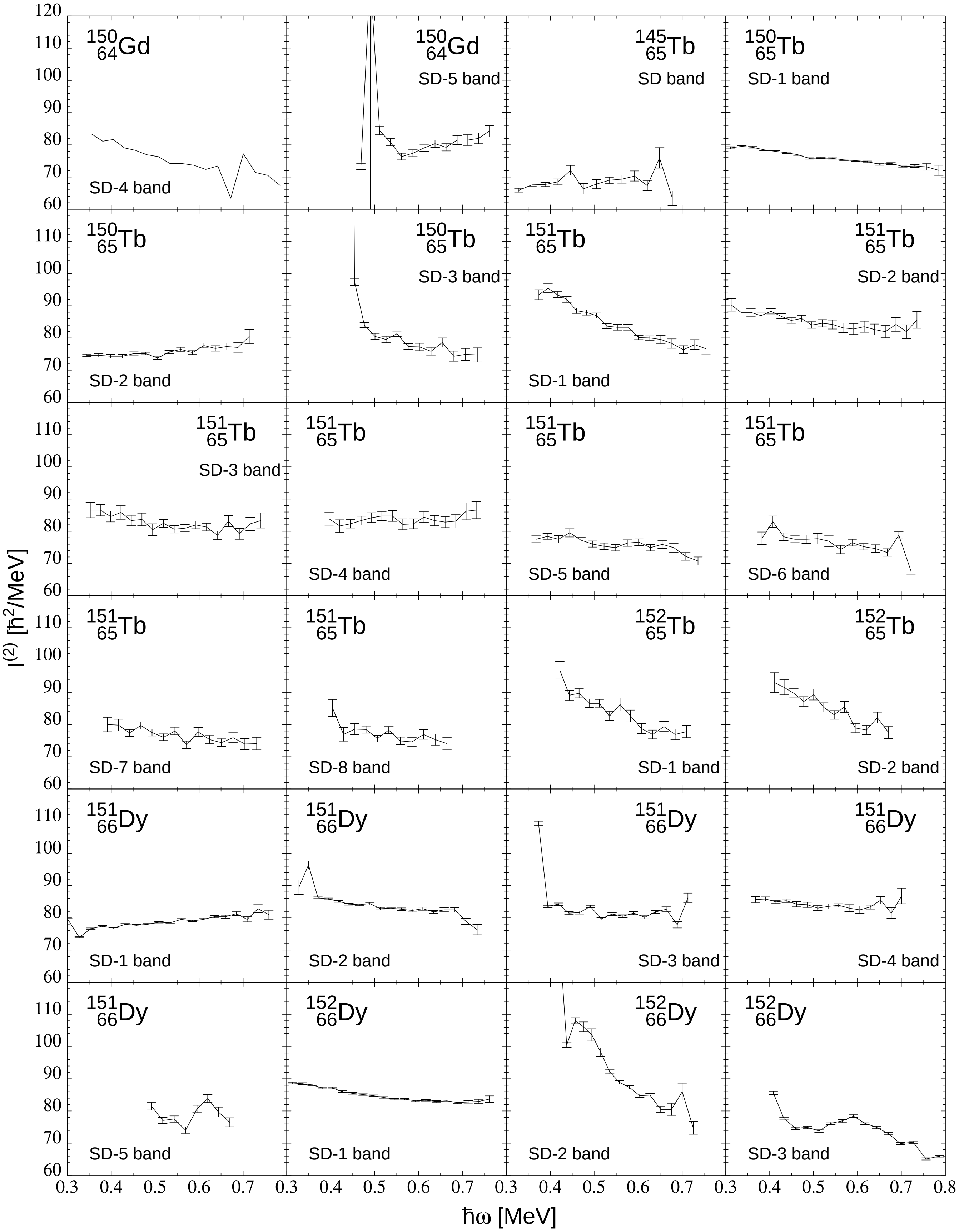



# Region III: A=142 -154

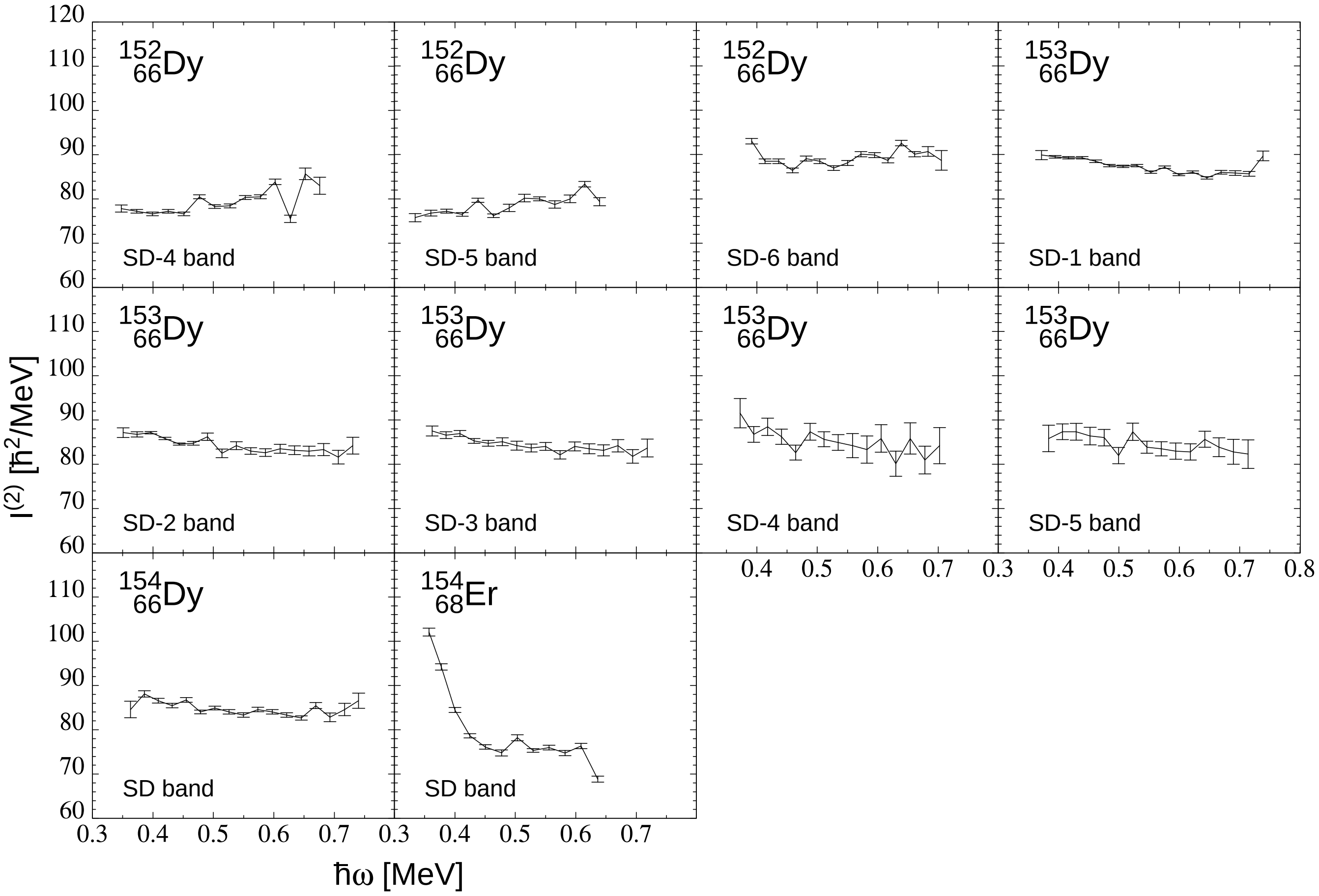




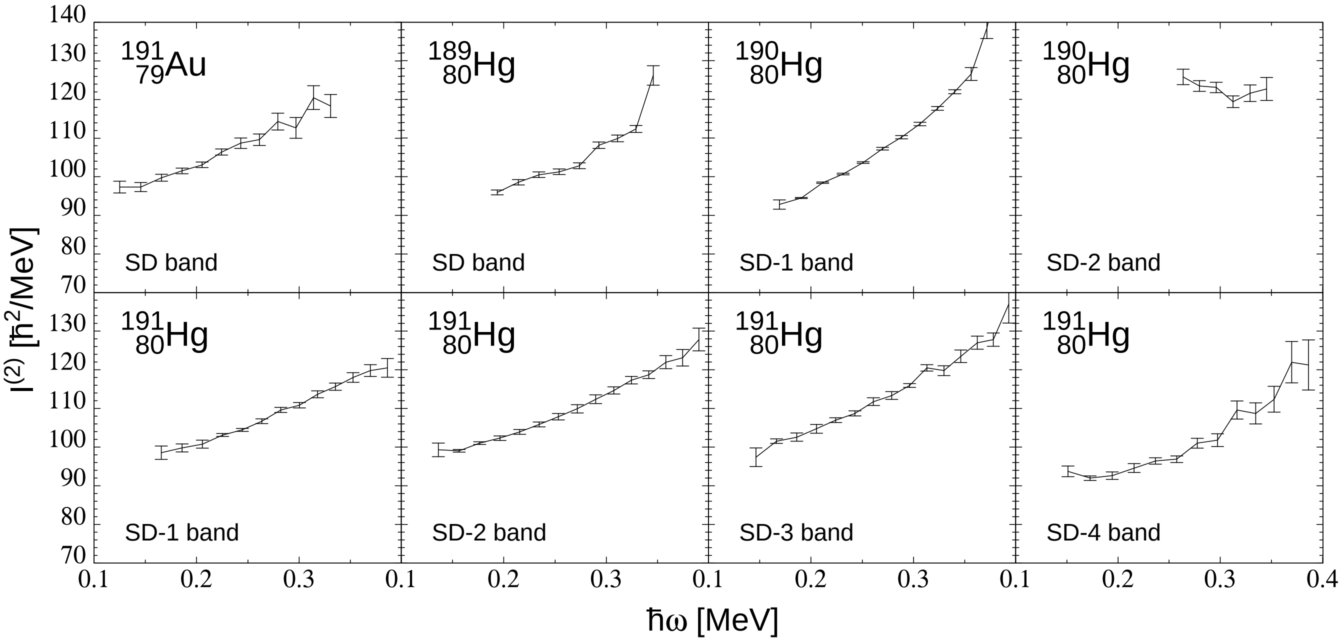
$^{144}_{64}$Gd SD band
$^{145}_{64}$Gd SD-1 band
$^{145}_{64}$Gd SD-2 band
$^{145}_{64}$Gd SD-3 band
$^{146}_{64}$Gd SD-1 band
$^{146}_{64}$Gd SD-2 band
$^{146}_{64}$Gd SD-3 band?
$^{147}_{64}$Gd SD-1 band
$^{147}_{64}$Gd SD-2 band
$^{148}_{64}$Gd SD-1 band
$^{148}_{64}$Gd SD-2 band
$^{148}_{64}$Gd SD-3 band
$^{148}_{64}$Gd SD-4 band
$^{148}_{64}$Gd SD-5 band
$^{148}_{64}$Gd SD-6 band
$^{149}_{64}$Gd SD-1 band
$^{149}_{64}$Gd SD-2 band
$^{149}_{64}$Gd SD-3 band
$^{149}_{64}$Gd SD-4 band
$^{149}_{64}$Gd SD-5 band $\alpha=-1/2$
$^{149}_{64}$Gd SD-6 band $\alpha=+1/2$
$^{150}_{64}$Gd SD-1 band
$^{150}_{64}$Gd SD-2 band
$^{150}_{64}$Gd SD-3 band
$I^{(2)}$ [$\hbar^2$/MeV]
$\hbar\omega$ [MeV]
60 70 80 90 100 110 120
0.3 0.4 0.5 0.6 0.7 0.8

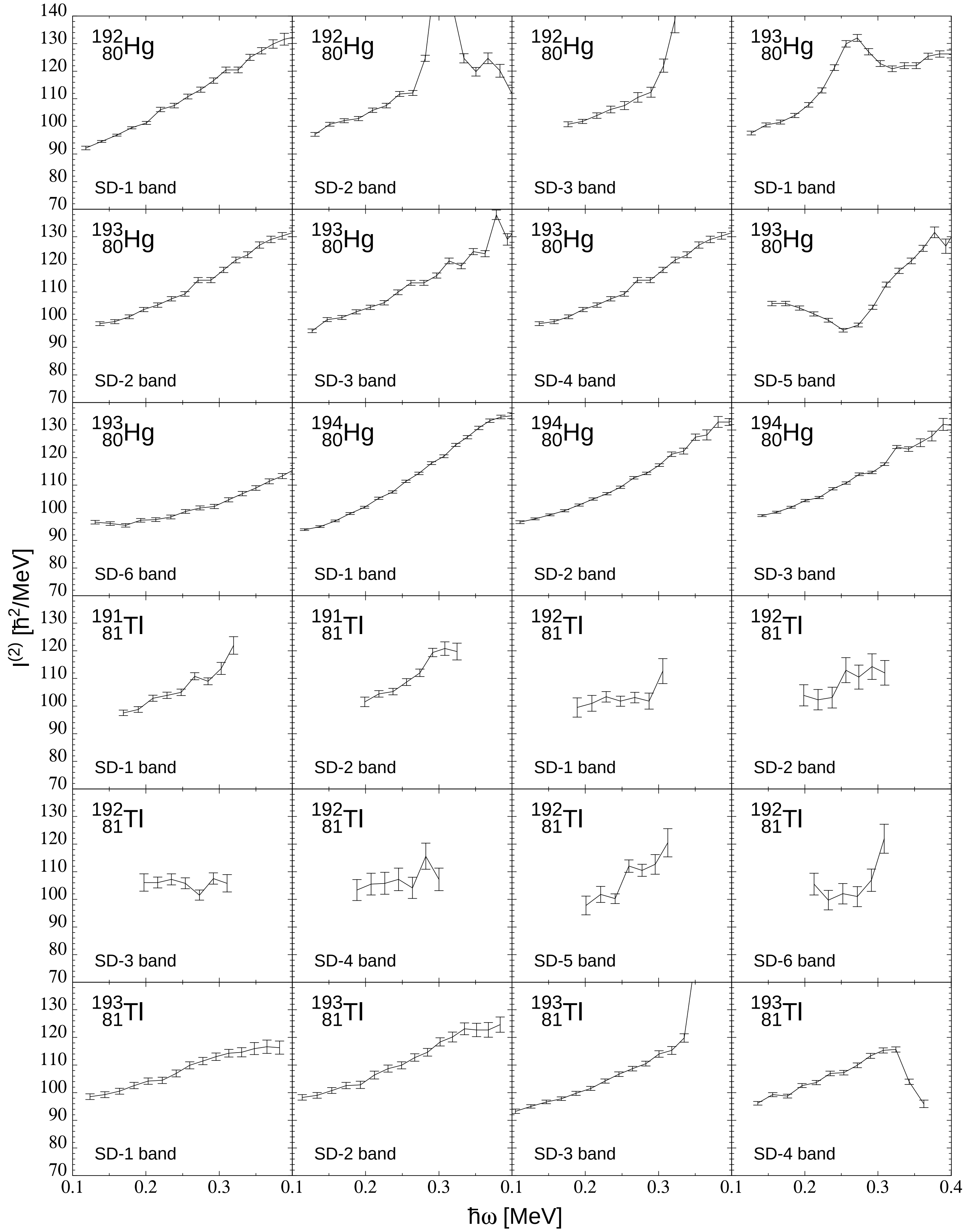


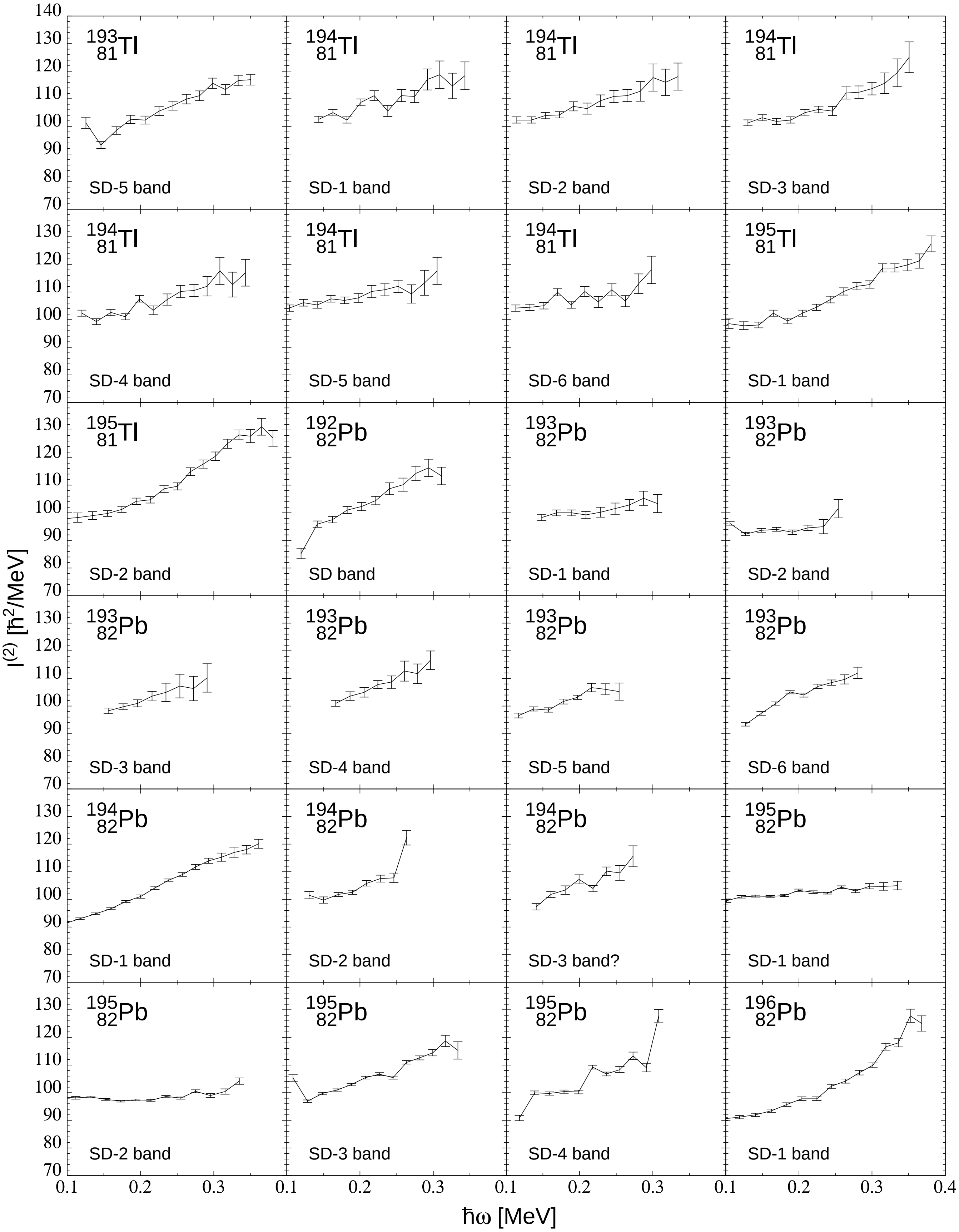
$^{150}_{64}$Gd SD-4 band
$^{150}_{64}$Gd SD-5 band
$^{145}_{65}$Tb SD band
$^{150}_{65}$Tb SD-1 band
$^{150}_{65}$Tb SD-2 band
$^{150}_{65}$Tb SD-3 band
$^{151}_{65}$Tb SD-1 band
$^{151}_{65}$Tb SD-2 band
$^{151}_{65}$Tb SD-3 band
$^{151}_{65}$Tb SD-4 band
$^{151}_{65}$Tb SD-5 band
$^{151}_{65}$Tb SD-6 band
$^{151}_{65}$Tb SD-7 band
$^{151}_{65}$Tb SD-8 band
$^{152}_{65}$Tb SD-1 band
$^{152}_{65}$Tb SD-2 band
$^{151}_{66}$Dy SD-1 band
$^{151}_{66}$Dy SD-2 band
$^{151}_{66}$Dy SD-3 band
$^{151}_{66}$Dy SD-4 band
$^{151}_{66}$Dy SD-5 band
$^{152}_{66}$Dy SD-1 band
$^{152}_{66}$Dy SD-2 band
$^{152}_{66}$Dy SD-3 band
$I^{(2)}$ [$\hbar^2$/MeV]
$\hbar\omega$ [MeV]

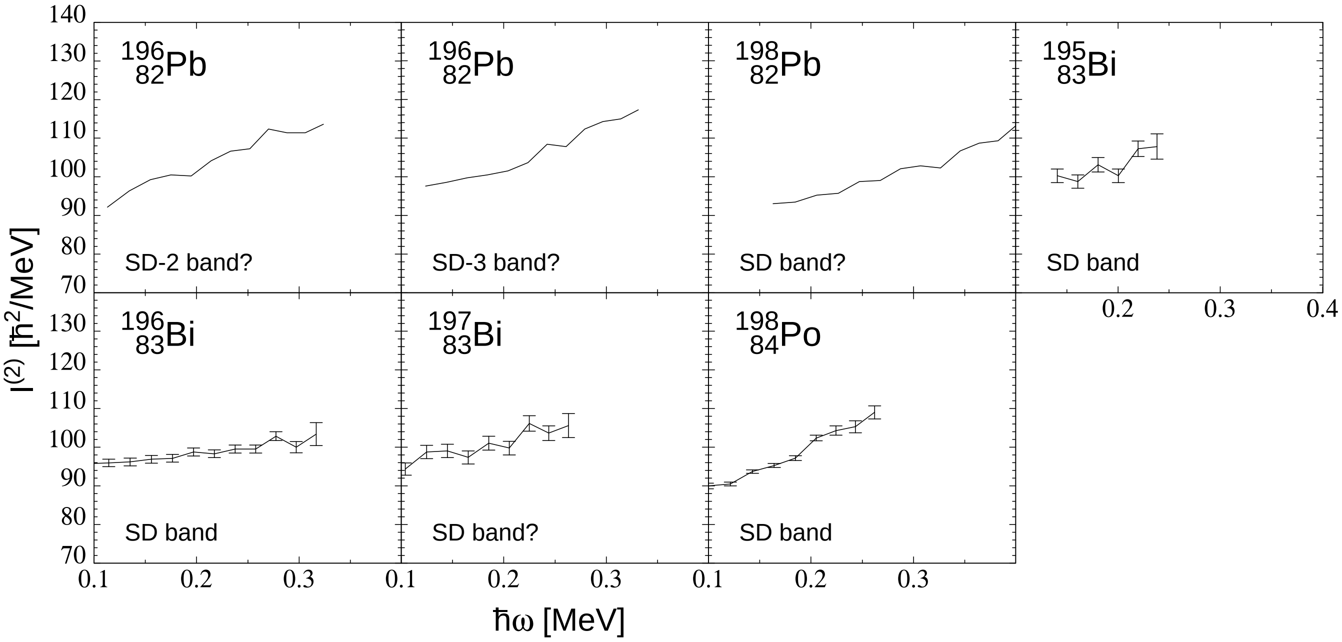



# Region IV: A=189 -198




$^{192}_{80}$Hg
SD-1 band
$^{192}_{80}$Hg
SD-2 band
$^{192}_{80}$Hg
SD-3 band
$^{193}_{80}$Hg
SD-1 band
$^{193}_{80}$Hg
SD-2 band
$^{193}_{80}$Hg
SD-3 band
$^{193}_{80}$Hg
SD-4 band
$^{193}_{80}$Hg
SD-5 band
$^{193}_{80}$Hg
SD-6 band
$^{194}_{80}$Hg
SD-1 band
$^{194}_{80}$Hg
SD-2 band
$^{194}_{80}$Hg
SD-3 band
$^{191}_{81}$Tl
SD-1 band
$^{191}_{81}$Tl
SD-2 band
$^{192}_{81}$Tl
SD-1 band
$^{192}_{81}$Tl
SD-2 band
$^{192}_{81}$Tl
SD-3 band
$^{192}_{81}$Tl
SD-4 band
$^{192}_{81}$Tl
SD-5 band
$^{192}_{81}$Tl
SD-6 band
$^{193}_{81}$Tl
SD-1 band
$^{193}_{81}$Tl
SD-2 band
$^{193}_{81}$Tl
SD-3 band
$^{193}_{81}$Tl
SD-4 band
$I^{(2)}$ [$\hbar^2$/MeV]
$\hbar\omega$ [MeV]


$^{193}_{81}$Tl
SD-5 band
$^{194}_{81}$Tl
SD-1 band
$^{194}_{81}$Tl
SD-2 band
$^{194}_{81}$Tl
SD-3 band
$^{194}_{81}$Tl
SD-4 band
$^{194}_{81}$Tl
SD-5 band
$^{194}_{81}$Tl
SD-6 band
$^{195}_{81}$Tl
SD-1 band
$^{195}_{81}$Tl
SD-2 band
$^{192}_{82}$Pb
SD band
$^{193}_{82}$Pb
SD-1 band
$^{193}_{82}$Pb
SD-2 band
$^{193}_{82}$Pb
SD-3 band
$^{193}_{82}$Pb
SD-4 band
$^{193}_{82}$Pb
SD-5 band
$^{193}_{82}$Pb
SD-6 band
$^{194}_{82}$Pb
SD-1 band
$^{194}_{82}$Pb
SD-2 band
$^{194}_{82}$Pb
SD-3 band?
$^{195}_{82}$Pb
SD-1 band
$^{195}_{82}$Pb
SD-2 band
$^{195}_{82}$Pb
SD-3 band
$^{195}_{82}$Pb
SD-4 band
$^{196}_{82}$Pb
SD-1 band
$I^{(2)}$ [$\hbar^2$/MeV]
140
130
120
110
100
90
80
70
0.1
0.2
0.3
0.4
$\hbar\omega$ [MeV]




# Region V: A>200