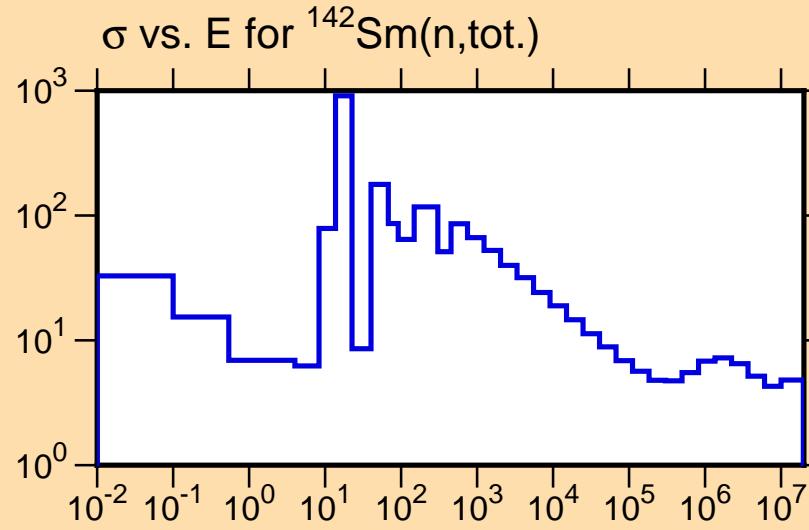


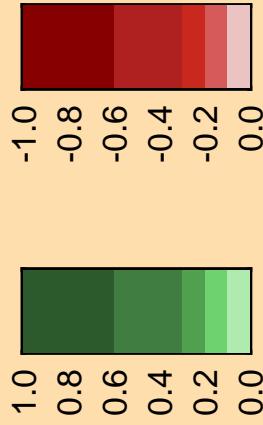
$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\text{tot.})$

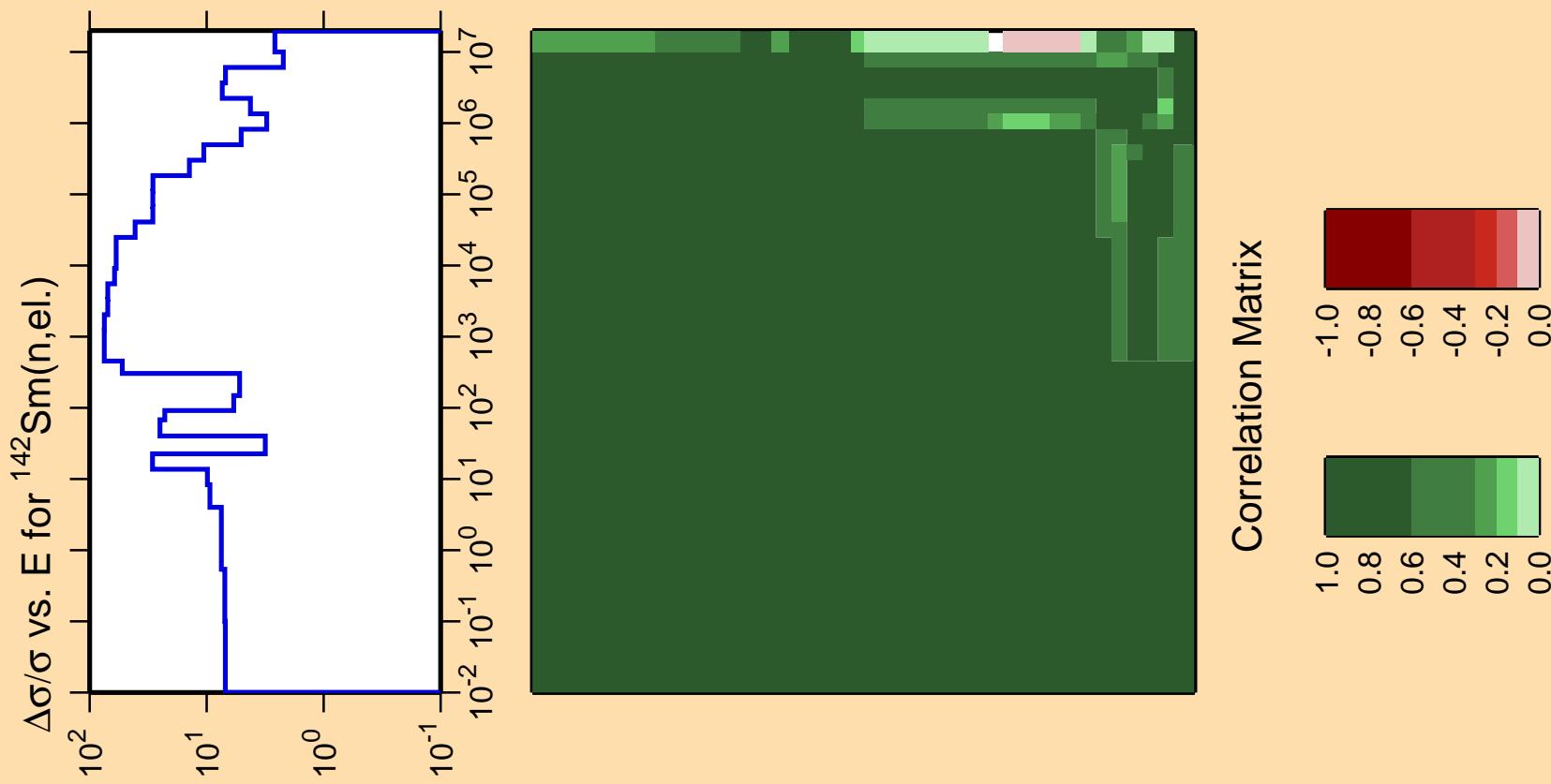
Ordinate scales are % relative  
standard deviation and barns.

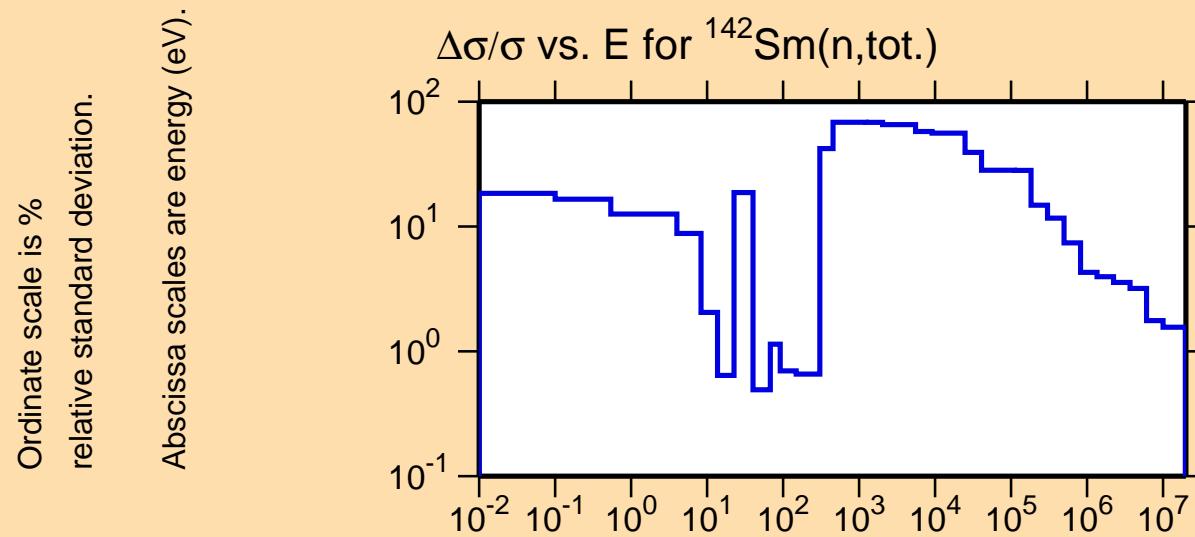
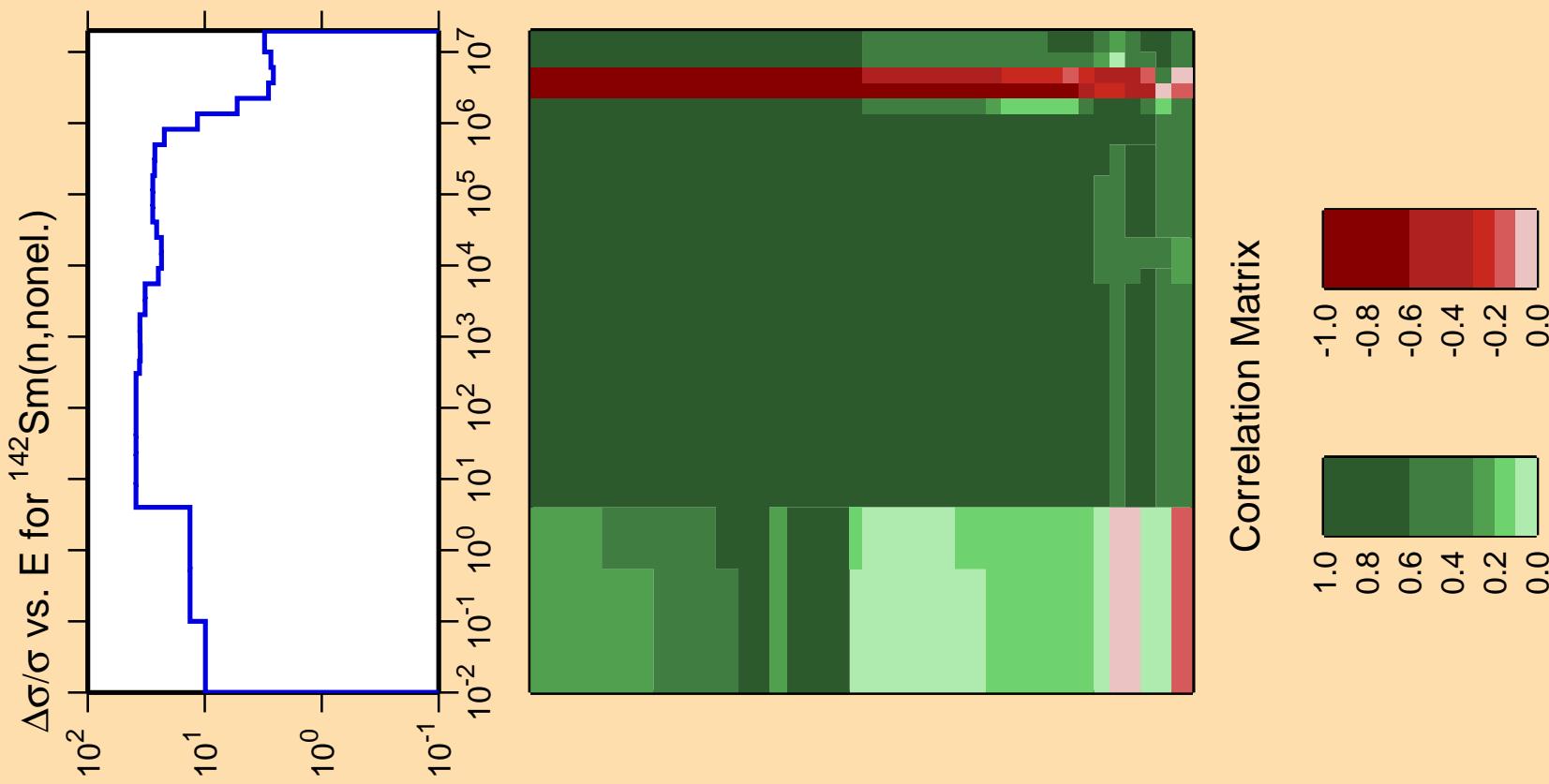
Abscissa scales are energy (eV).



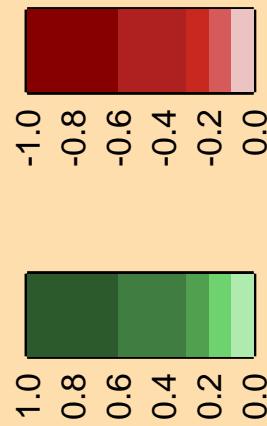
Correlation Matrix

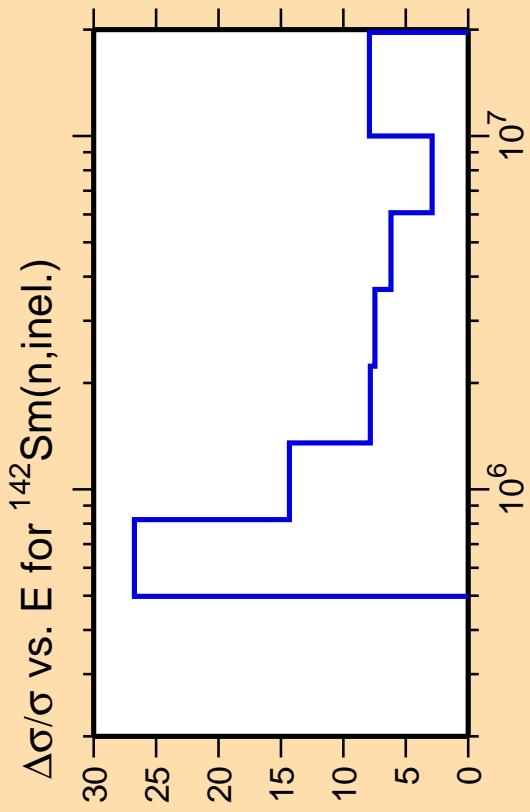




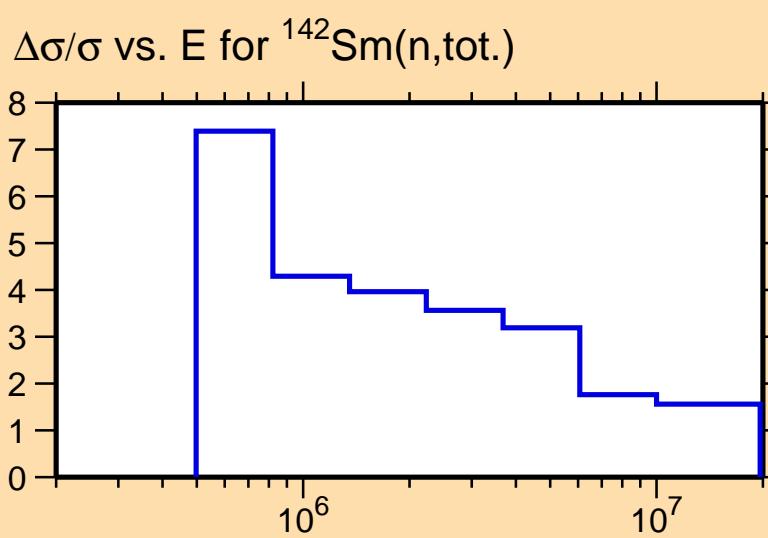


Correlation Matrix

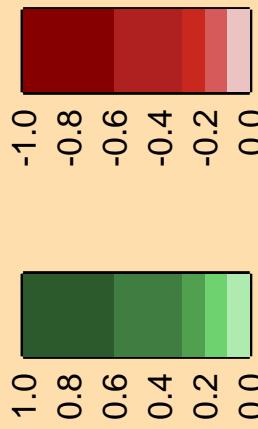




Ordinate scale is %  
relative standard deviation.  
Abscissa scales are energy (eV).



Correlation Matrix

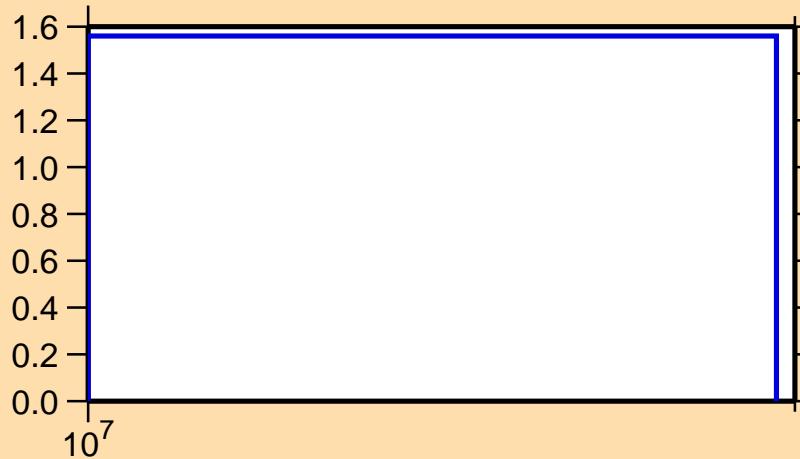


$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,2n)$

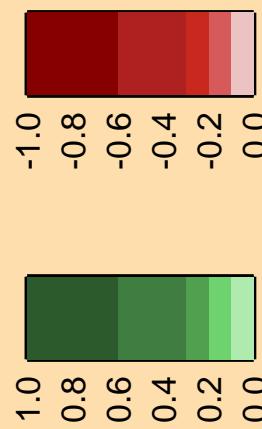
Ordinate scale is %  
relative standard deviation.

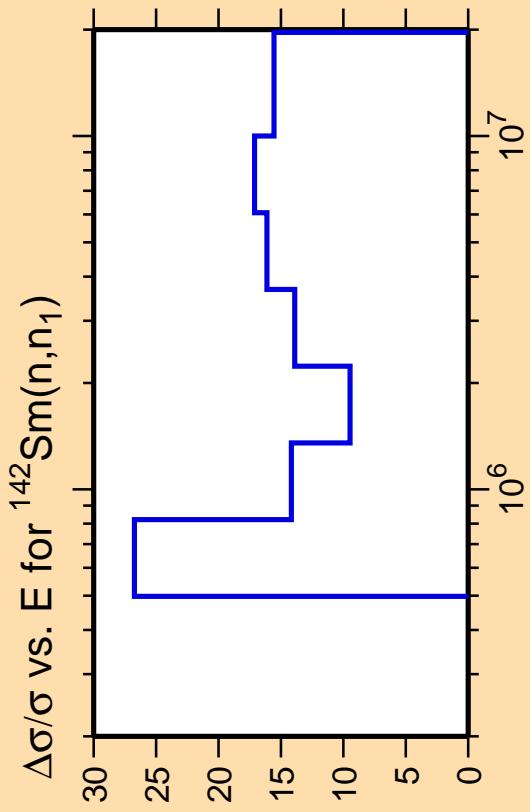
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\text{tot.})$

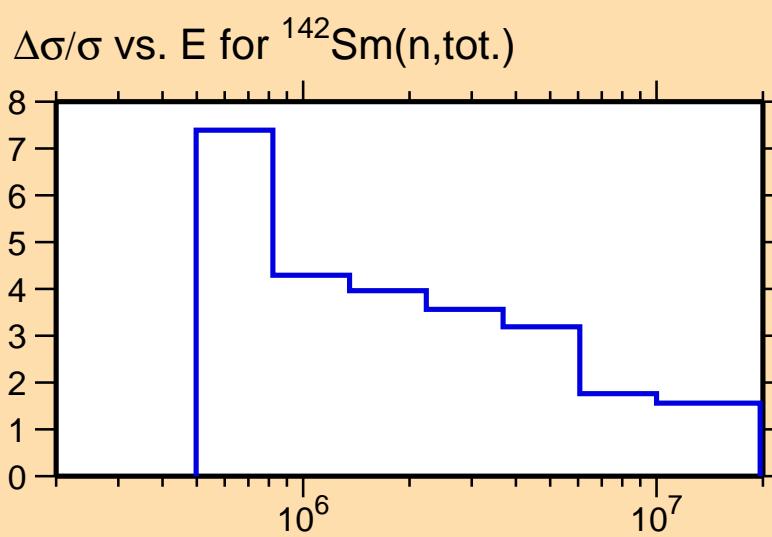


Correlation Matrix

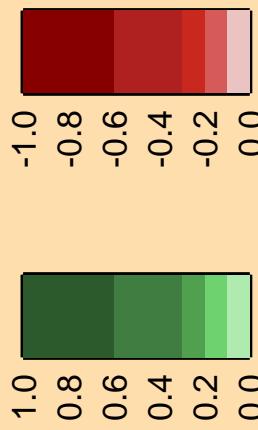


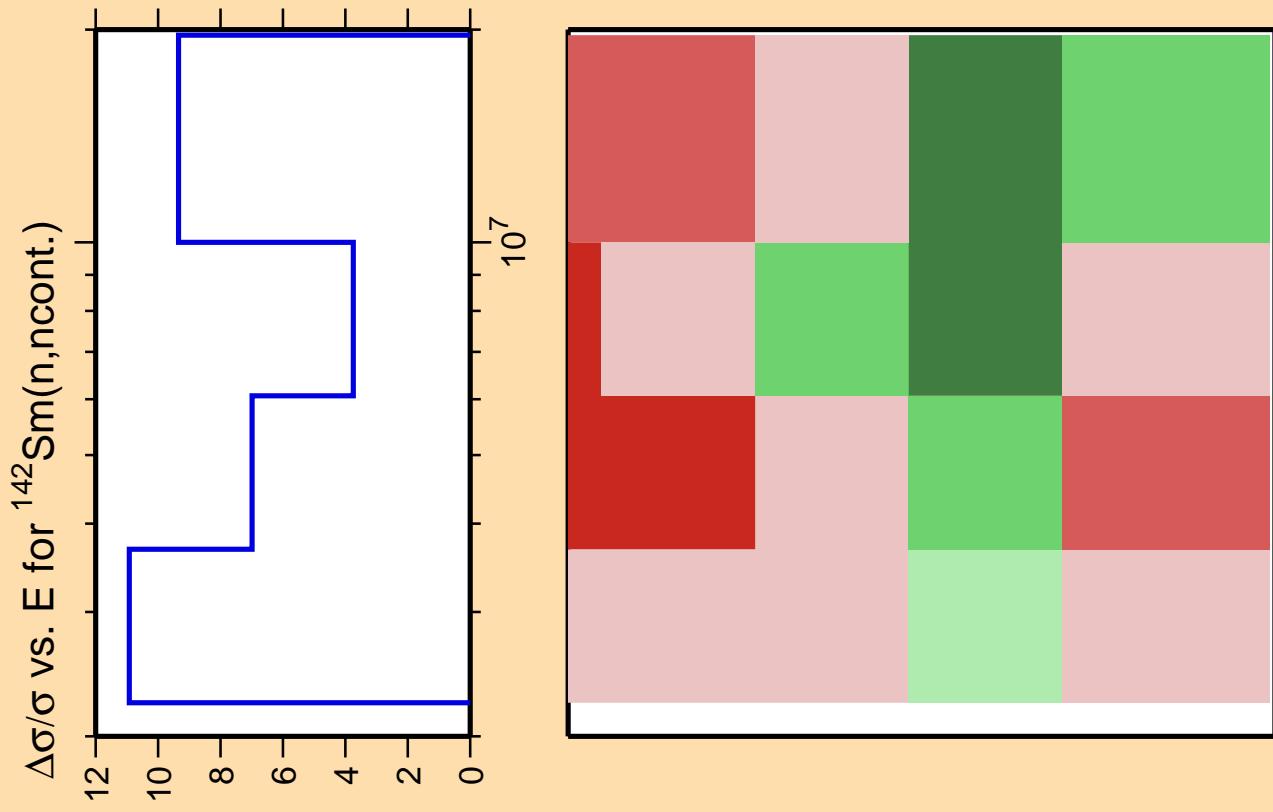


Ordinate scale is %  
relative standard deviation.  
Abscissa scales are energy (eV).



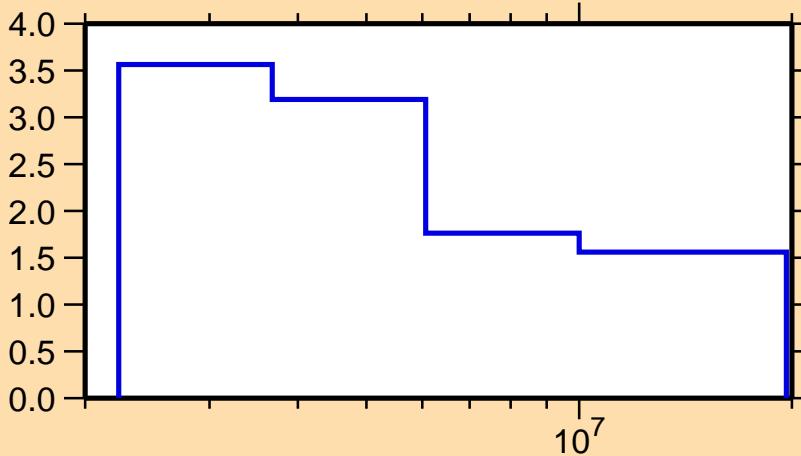
Correlation Matrix



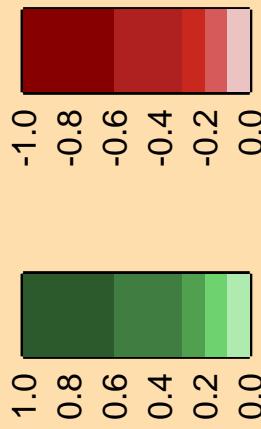


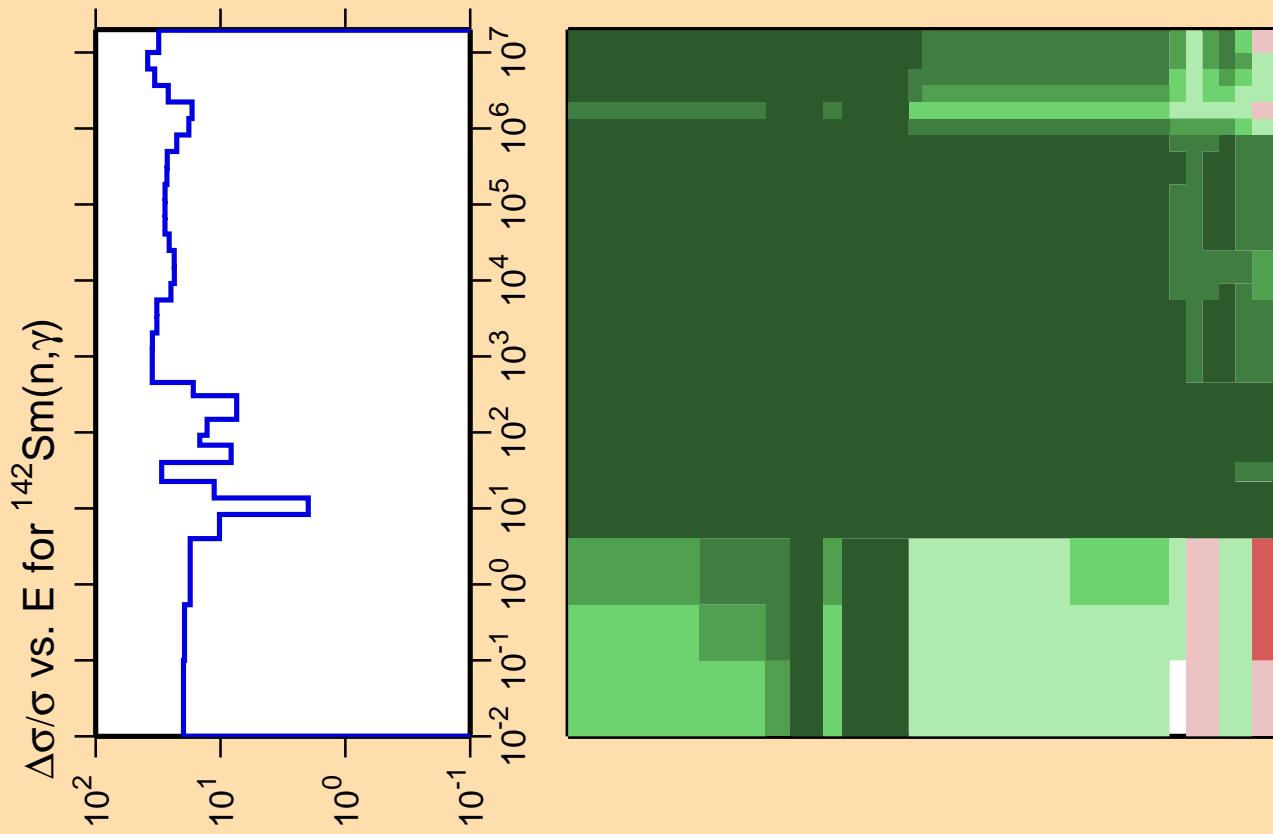
Ordinate scale is %  
relative standard deviation.  
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(\text{n,tot.})$



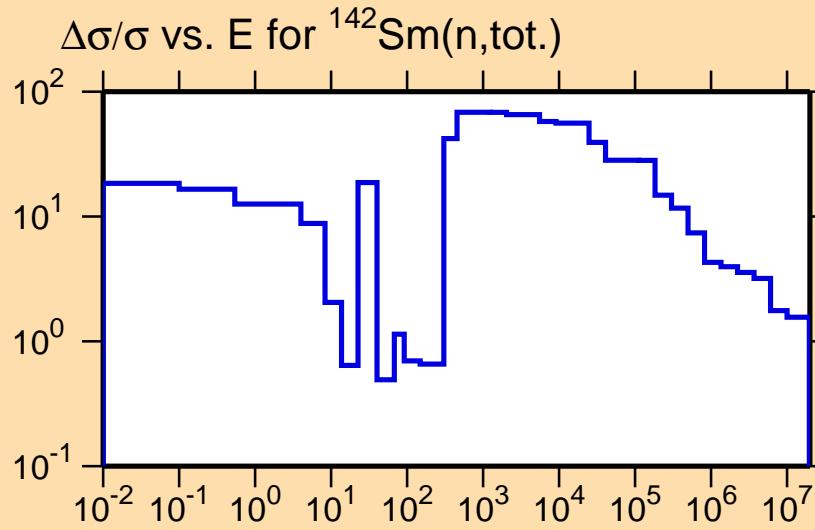
Correlation Matrix



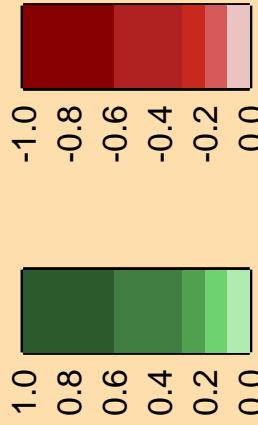


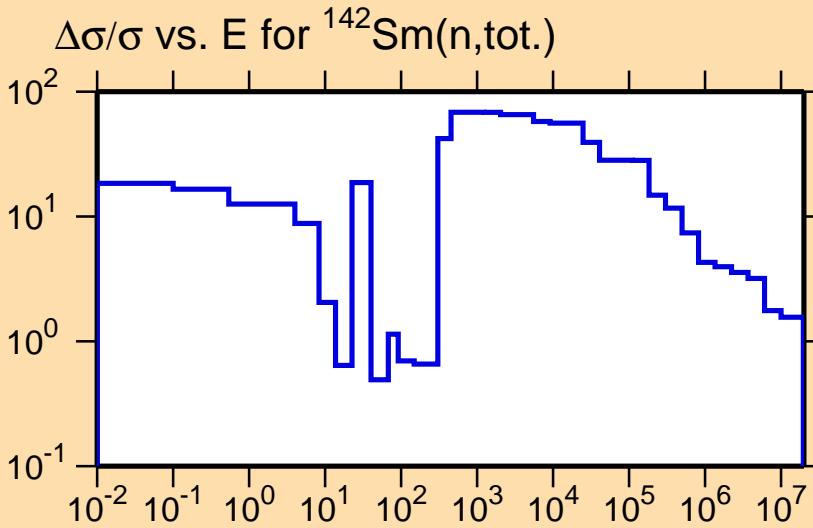
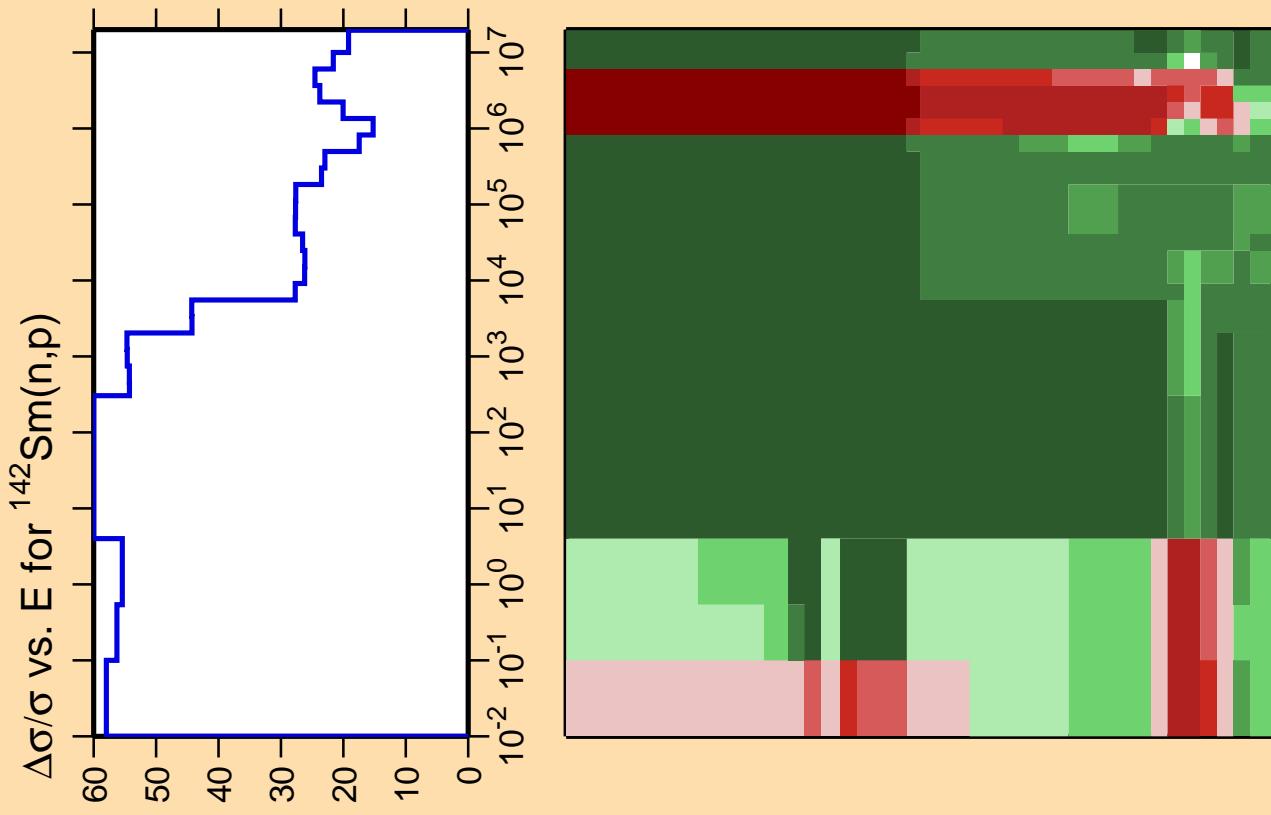
Ordinate scale is %  
relative standard deviation.

Abscissa scales are energy (eV).



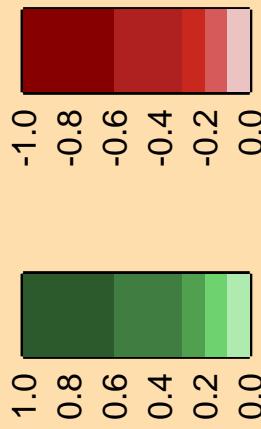
Correlation Matrix

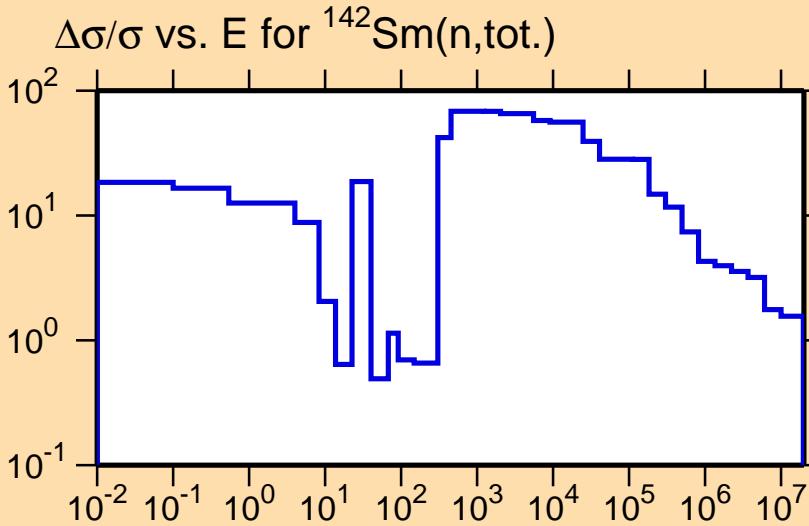
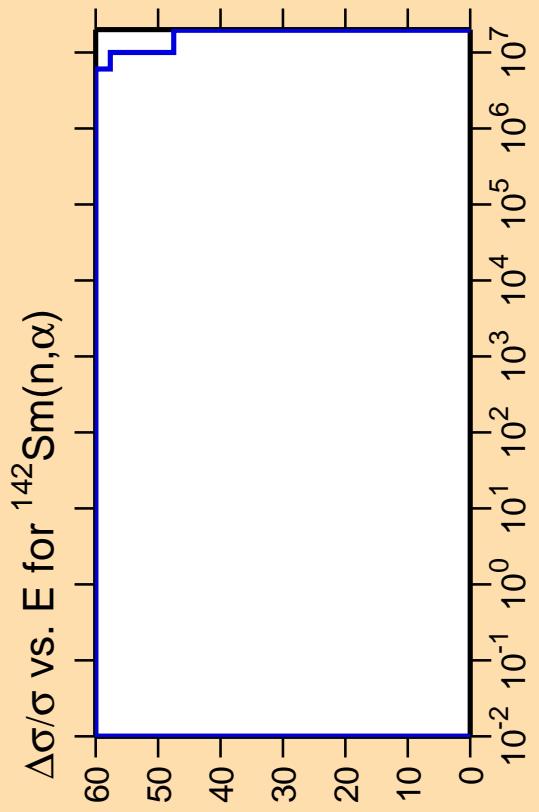




Ordinate scale is %  
relative standard deviation.  
Abscissa scales are energy (eV).  
Warning: some uncertainty  
data were suppressed.

Correlation Matrix



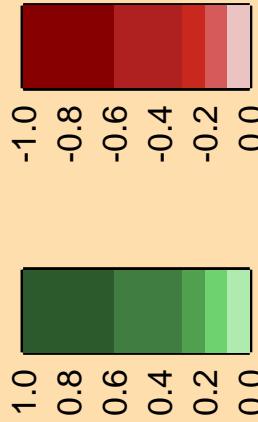


Ordinate scale is %  
relative standard deviation.

Abscissa scales are energy (eV).

Warning: some uncertainty  
data were suppressed.

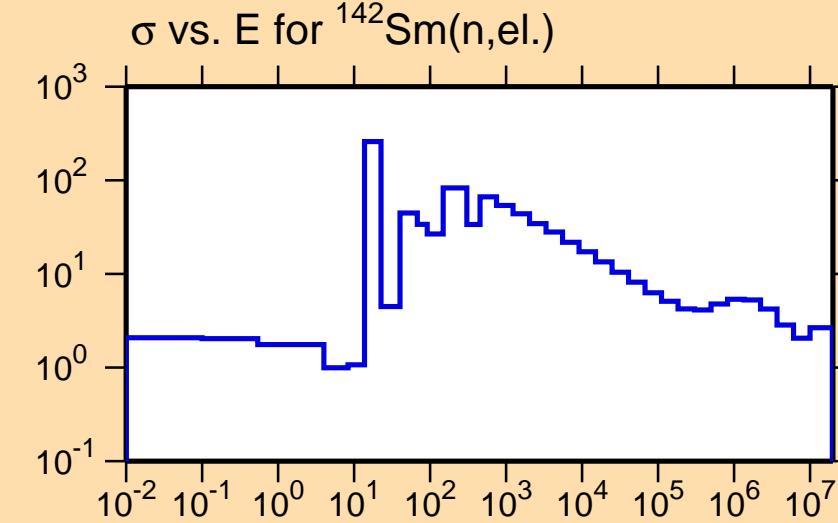
Correlation Matrix



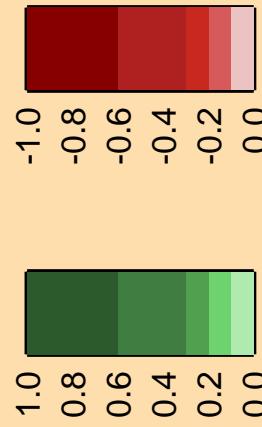
$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(\text{n},\text{el.})$

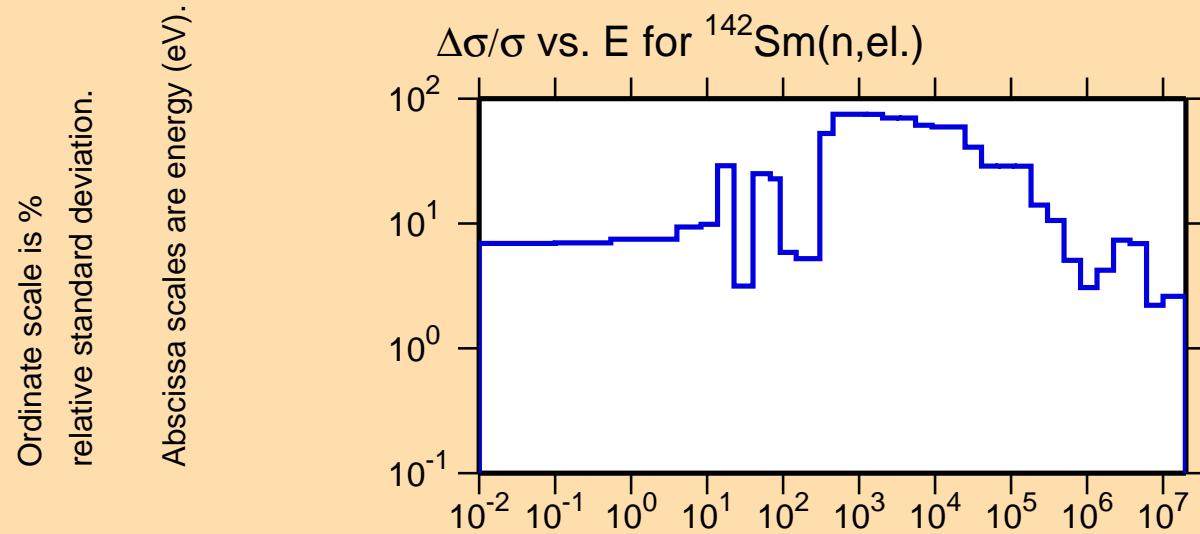
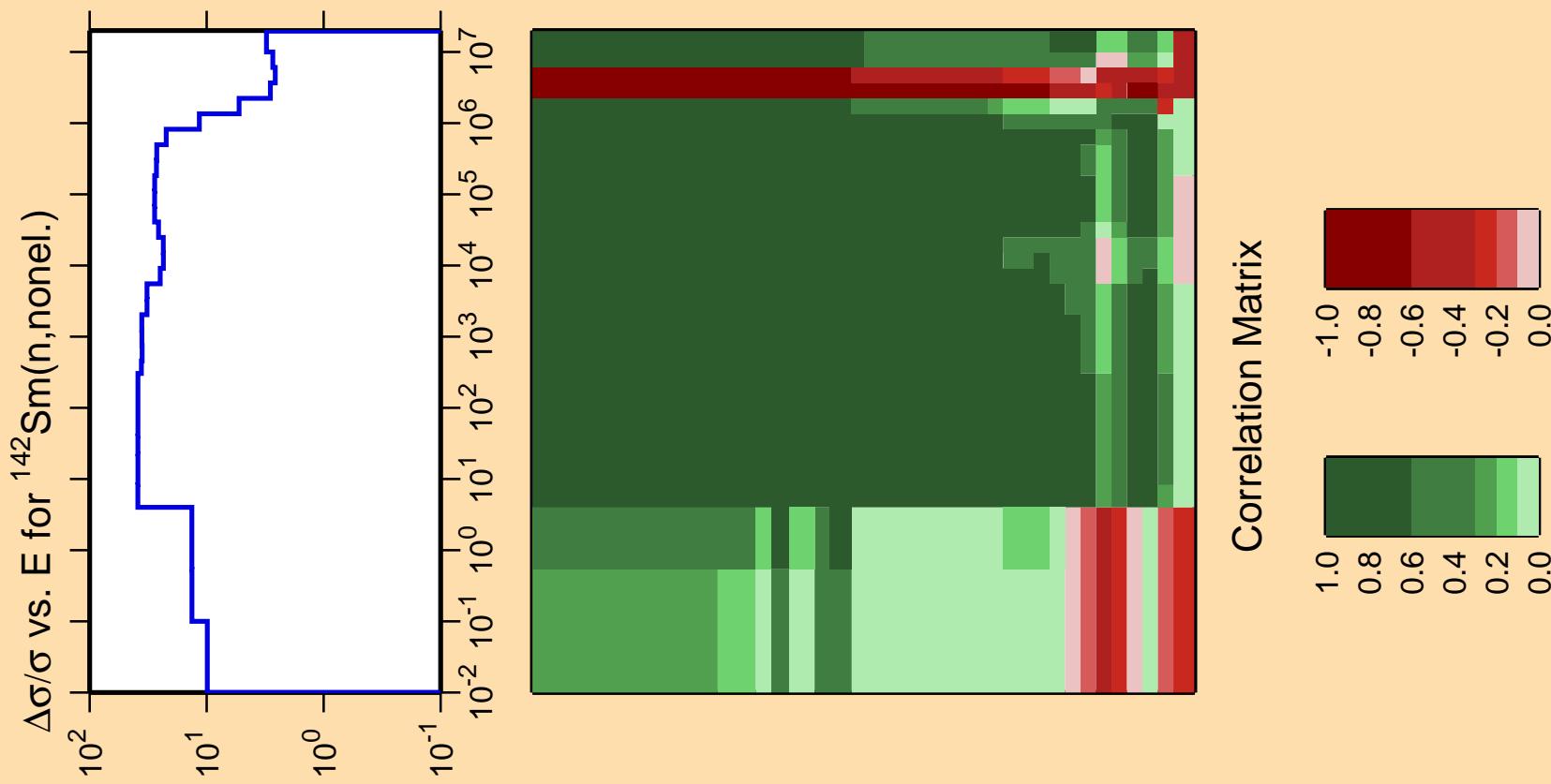
Ordinate scales are % relative  
standard deviation and barns.

Abscissa scales are energy (eV).

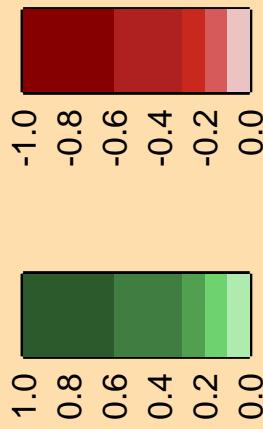


Correlation Matrix

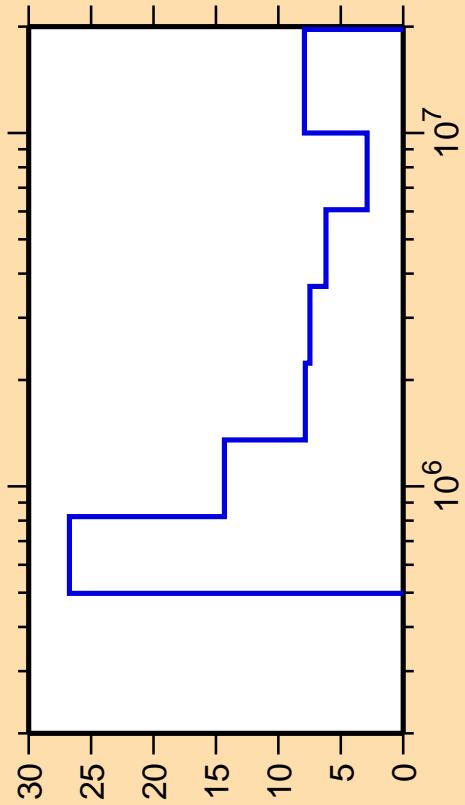




Correlation Matrix

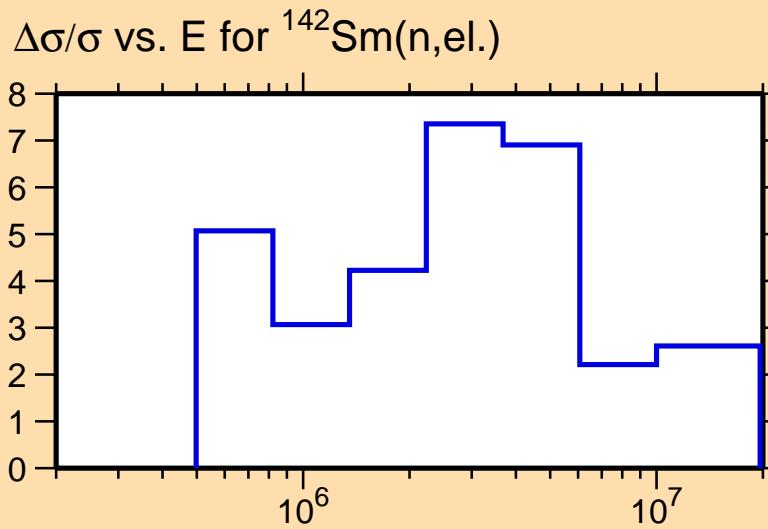


$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(\text{n},\text{inel.})$

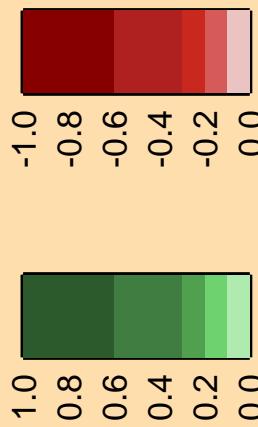


Ordinate scale is %  
relative standard deviation.

Abscissa scales are energy (eV).



## Correlation Matrix

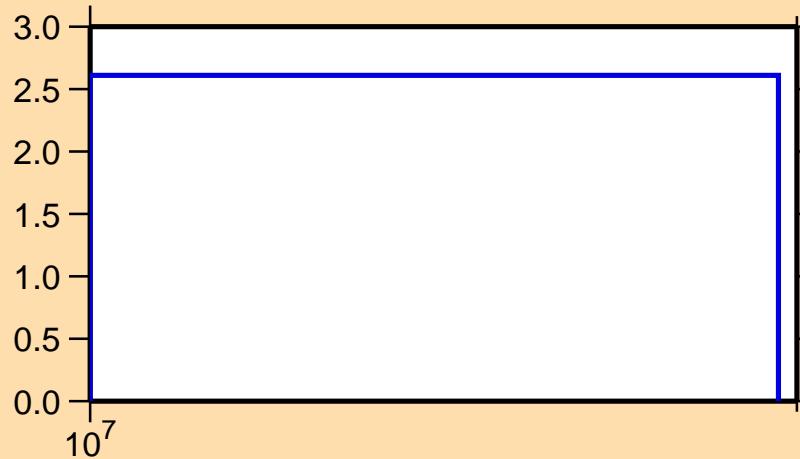


$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,2n)$

Ordinate scale is %  
relative standard deviation.

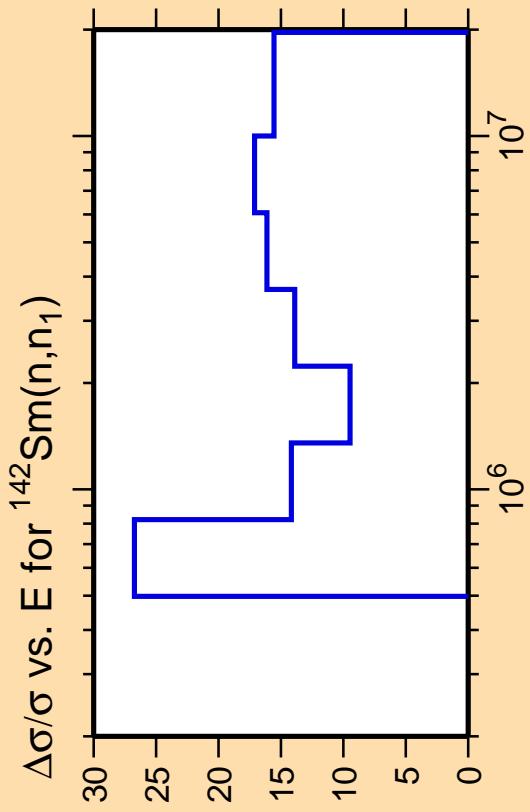
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\text{el.})$

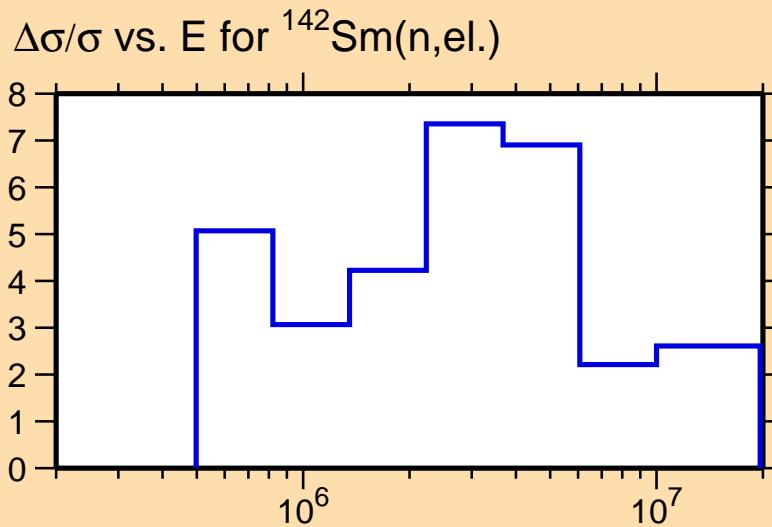


Correlation Matrix

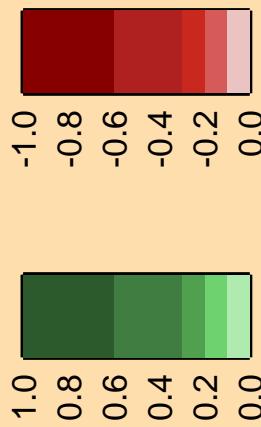


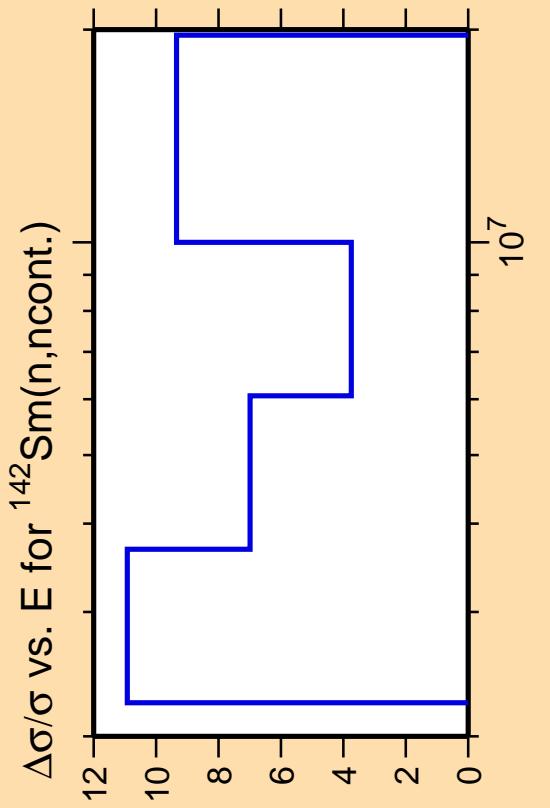


Ordinate scale is %  
relative standard deviation.  
Abscissa scales are energy (eV).

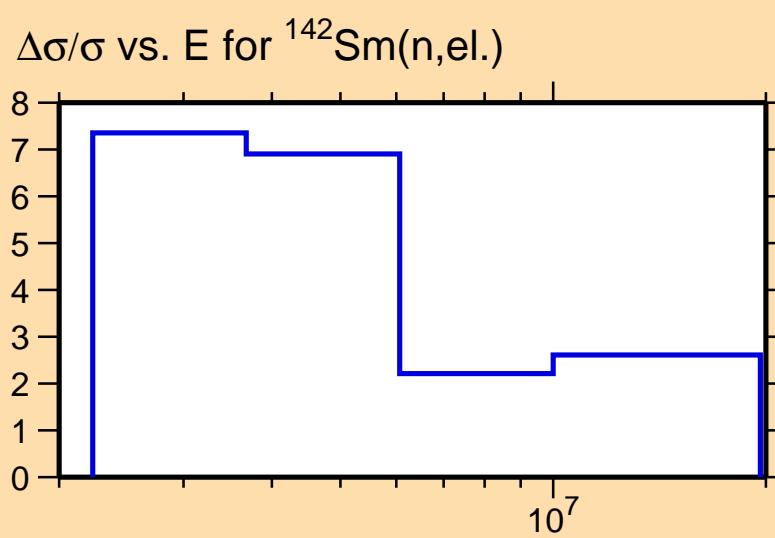


Correlation Matrix



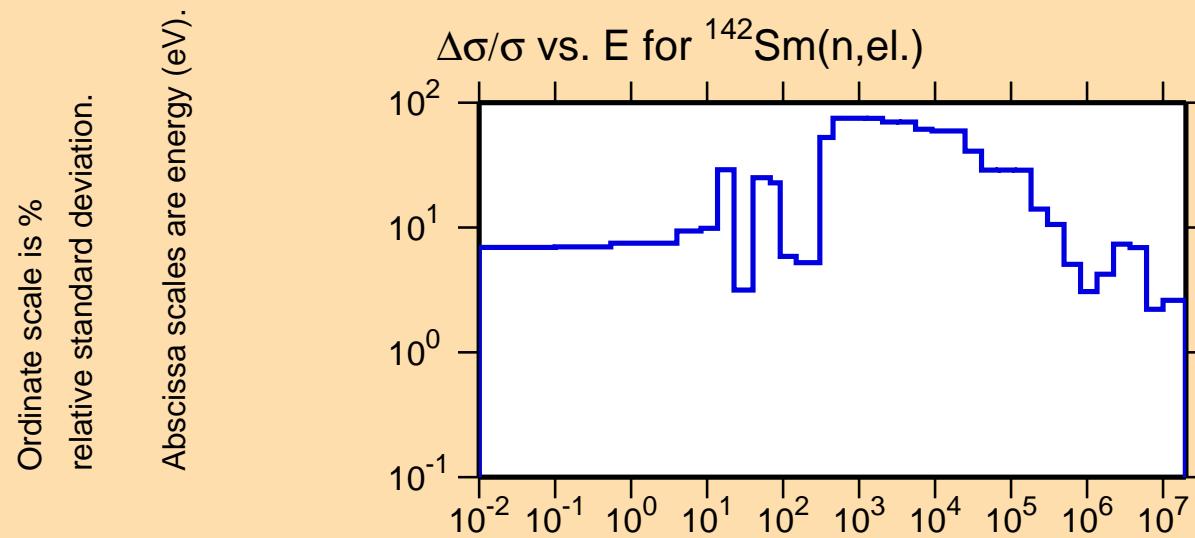
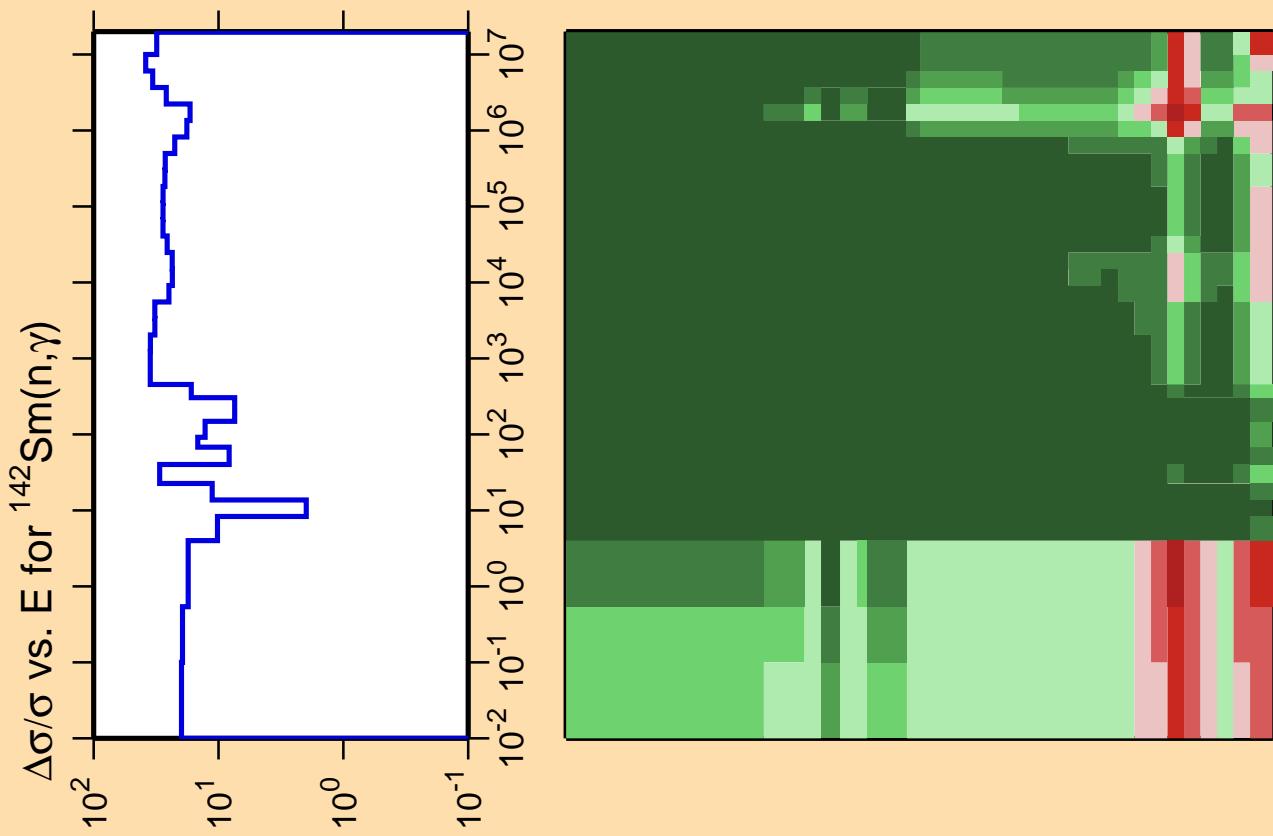


Ordinate scale is %  
relative standard deviation.  
Abscissa scales are energy (eV).

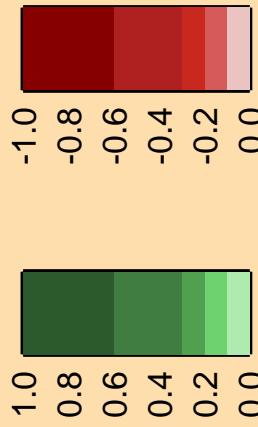


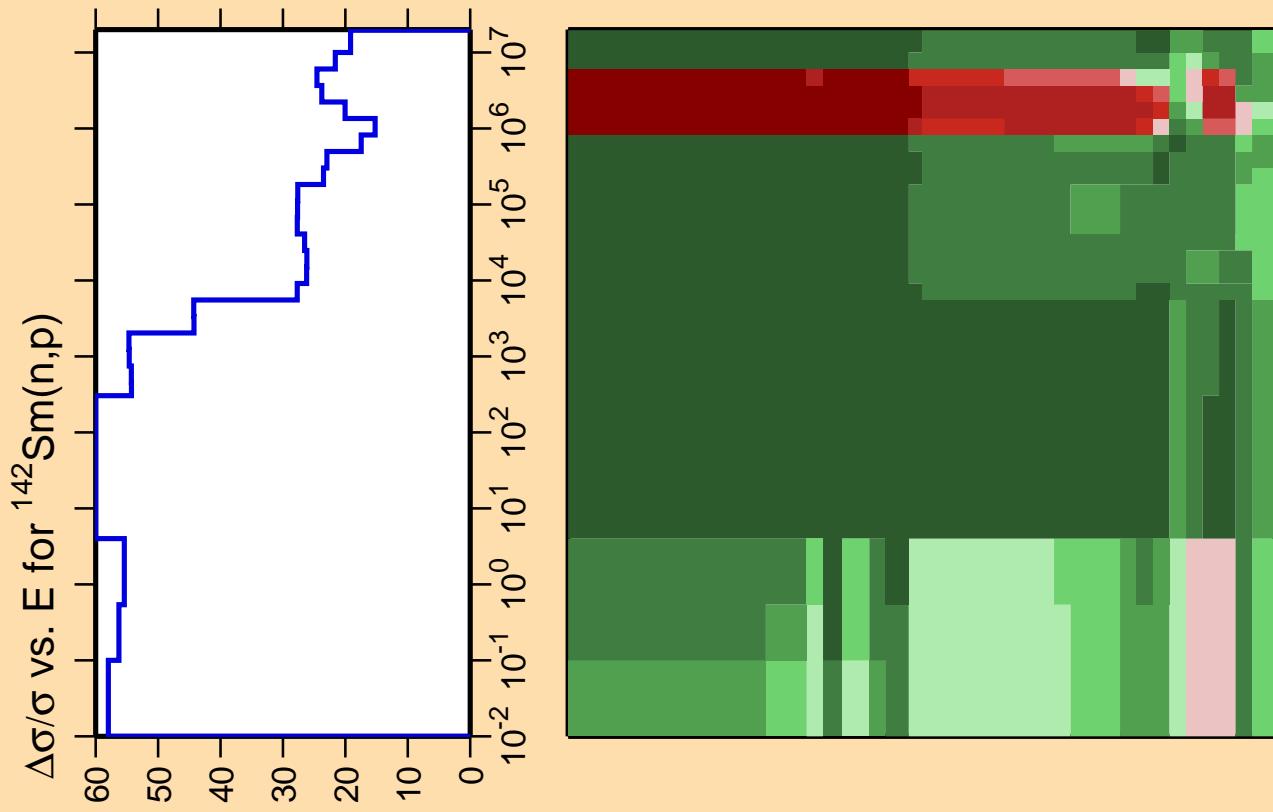
Correlation Matrix



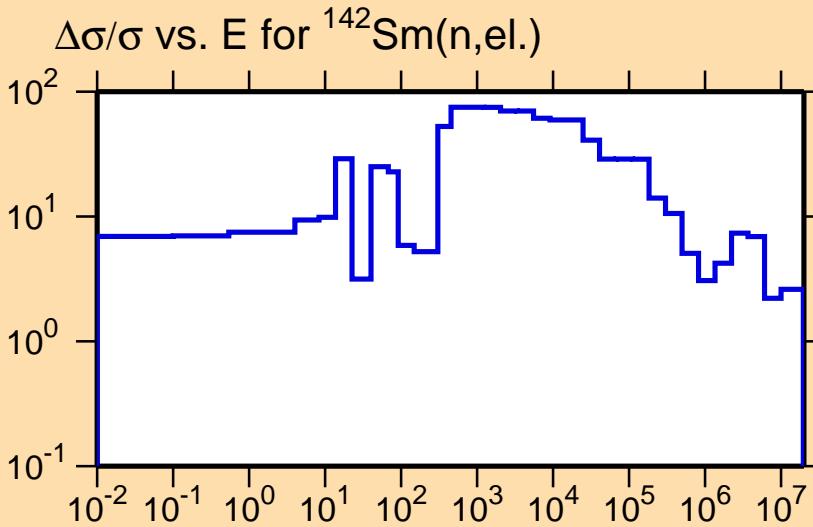
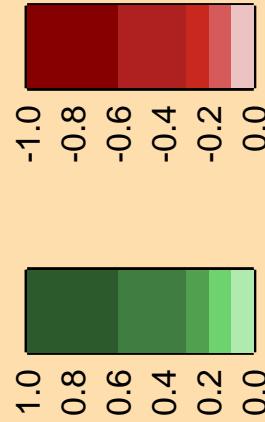


Correlation Matrix

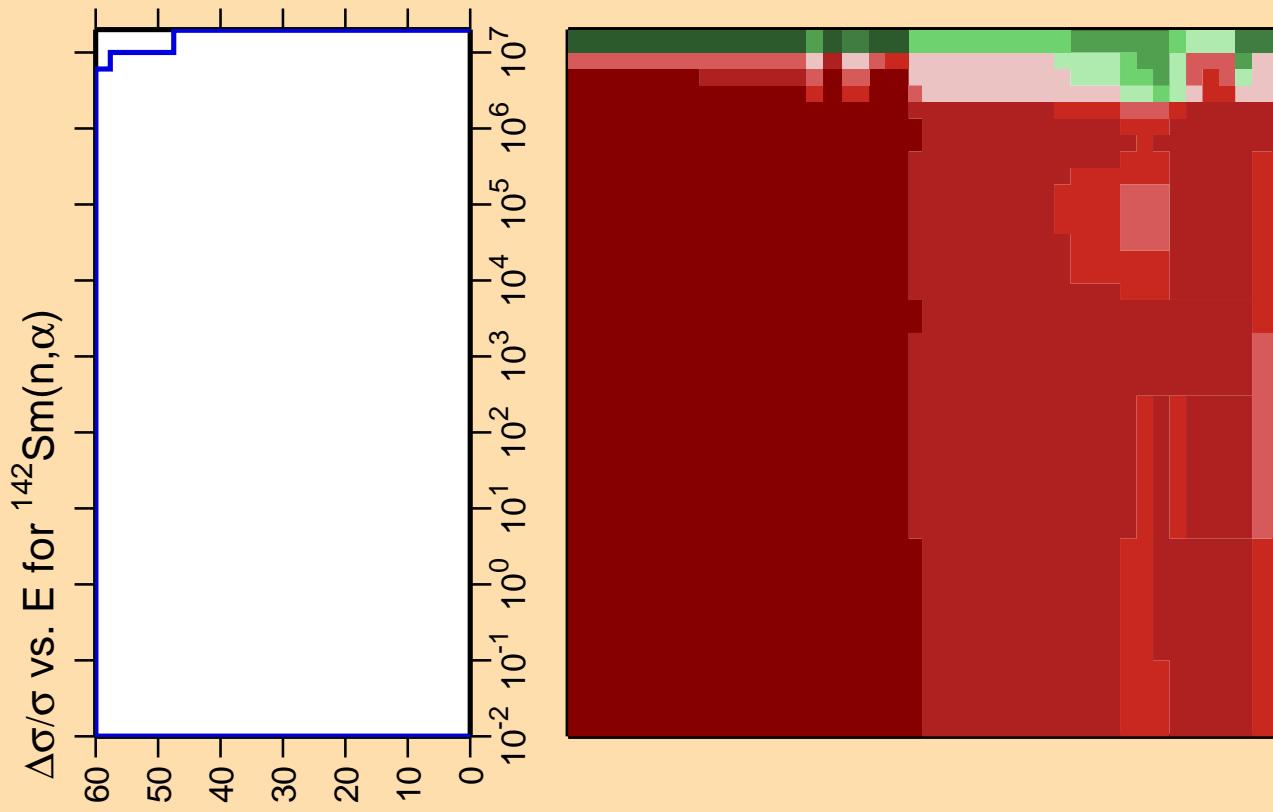




Correlation Matrix

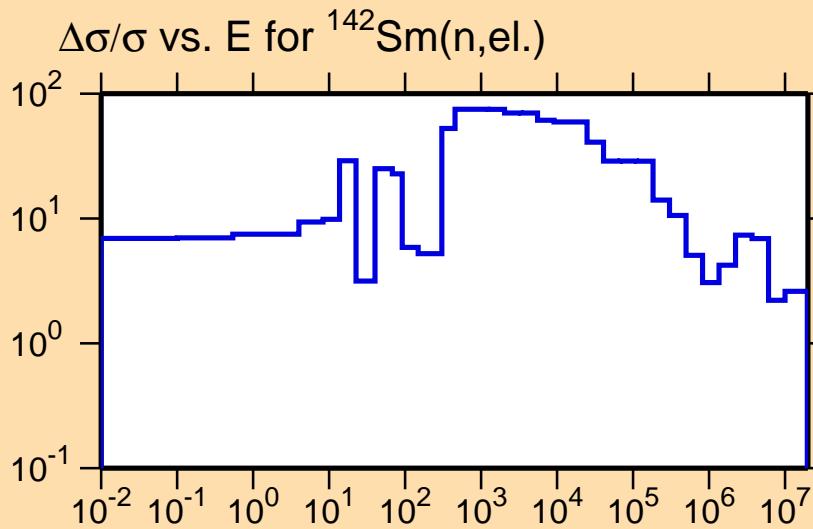


Ordinate scale is % relative standard deviation.  
Abscissa scales are energy (eV).  
Warning: some uncertainty data were suppressed.

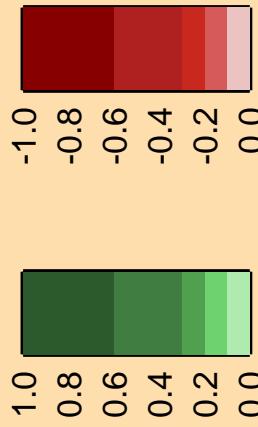


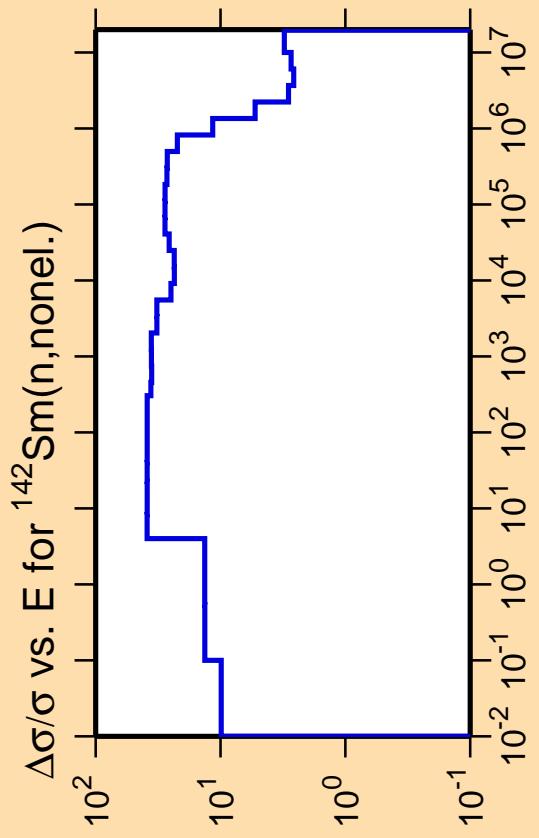
Ordinate scale is %  
relative standard deviation.

Abscissa scales are energy (eV).  
Warning: some uncertainty  
data were suppressed.

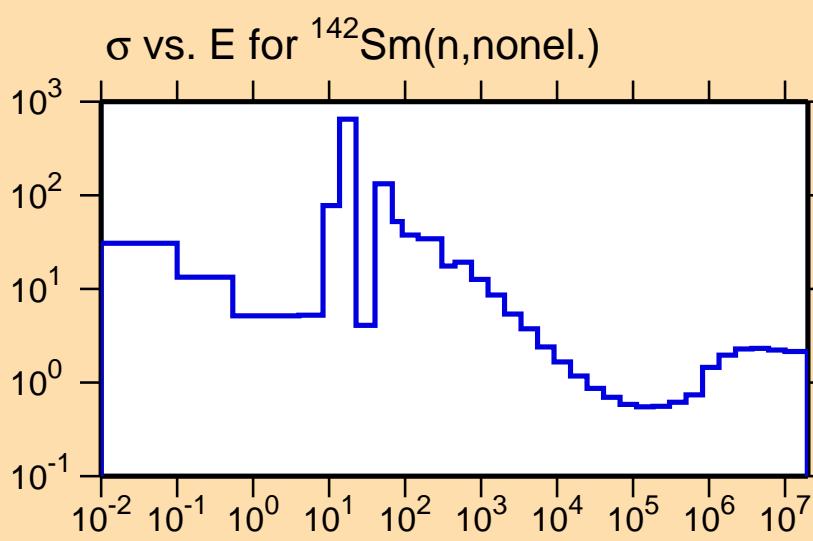


Correlation Matrix

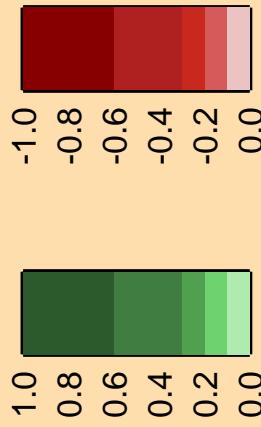


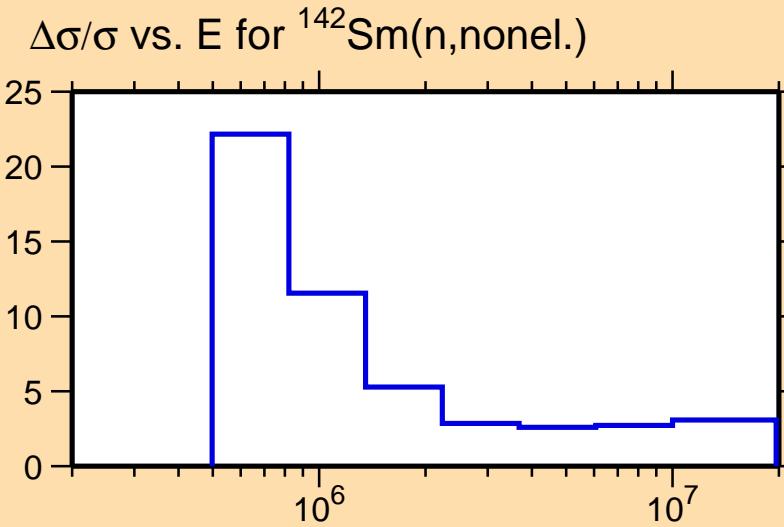
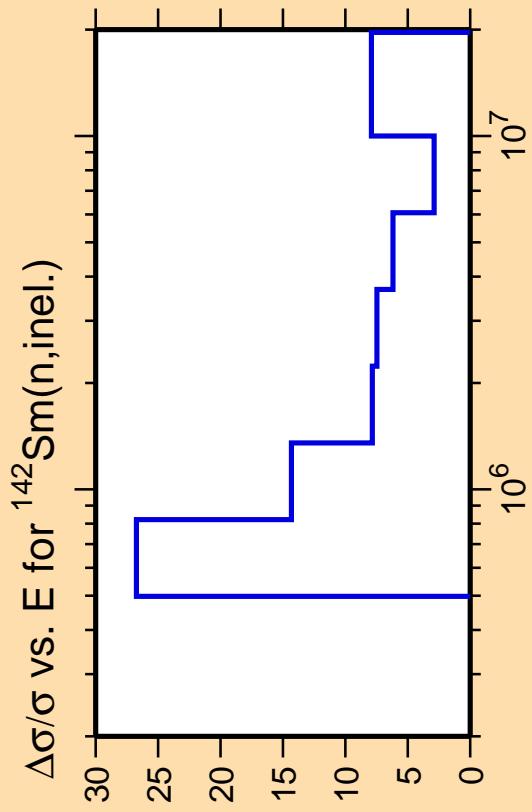


Ordinate scales are % relative  
standard deviation and barns.  
Abscissa scales are energy (eV).

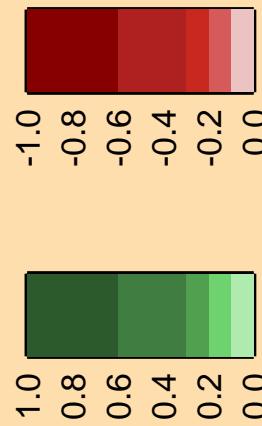


Correlation Matrix





Correlation Matrix



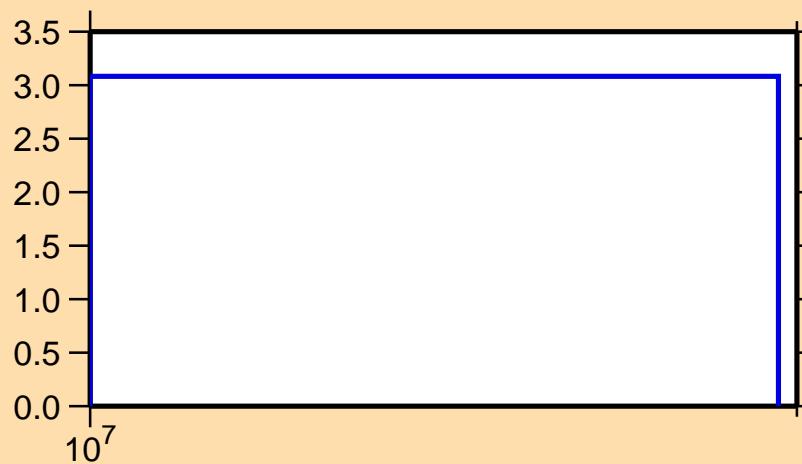
Ordinate scale is %  
relative standard deviation.  
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,2n)$

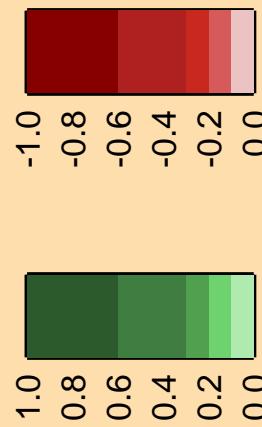
Ordinate scale is %  
relative standard deviation.

Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\text{nonel.})$



Correlation Matrix

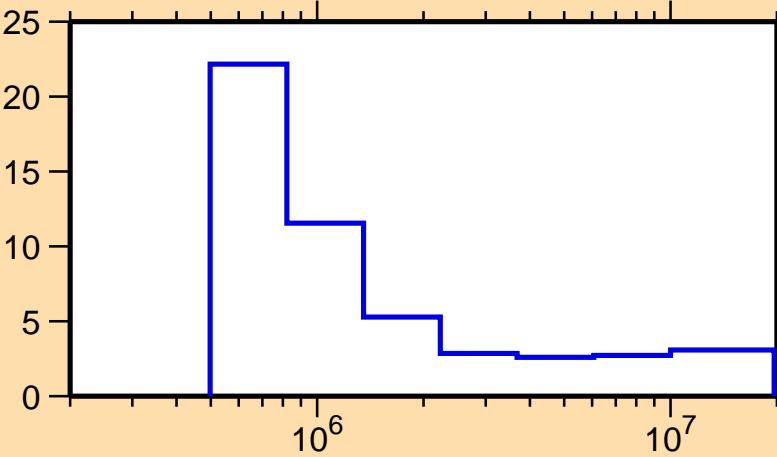


$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,n_1)$

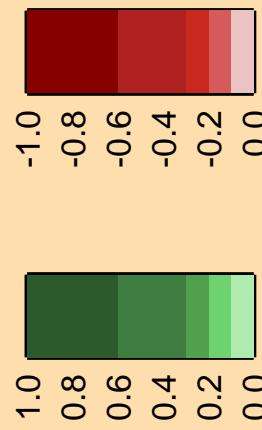
Ordinate scale is %  
relative standard deviation.

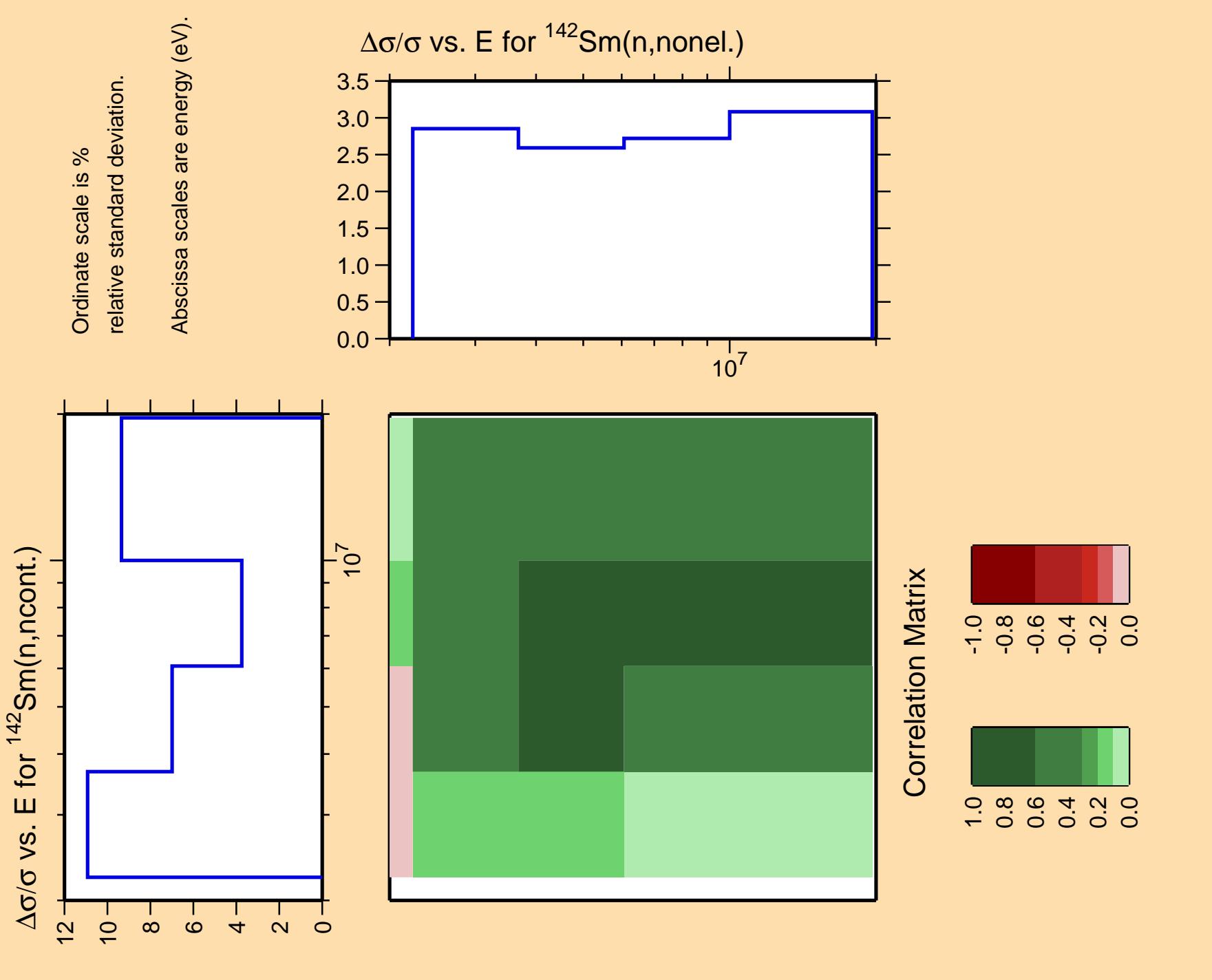
Abscissa scales are energy (eV).

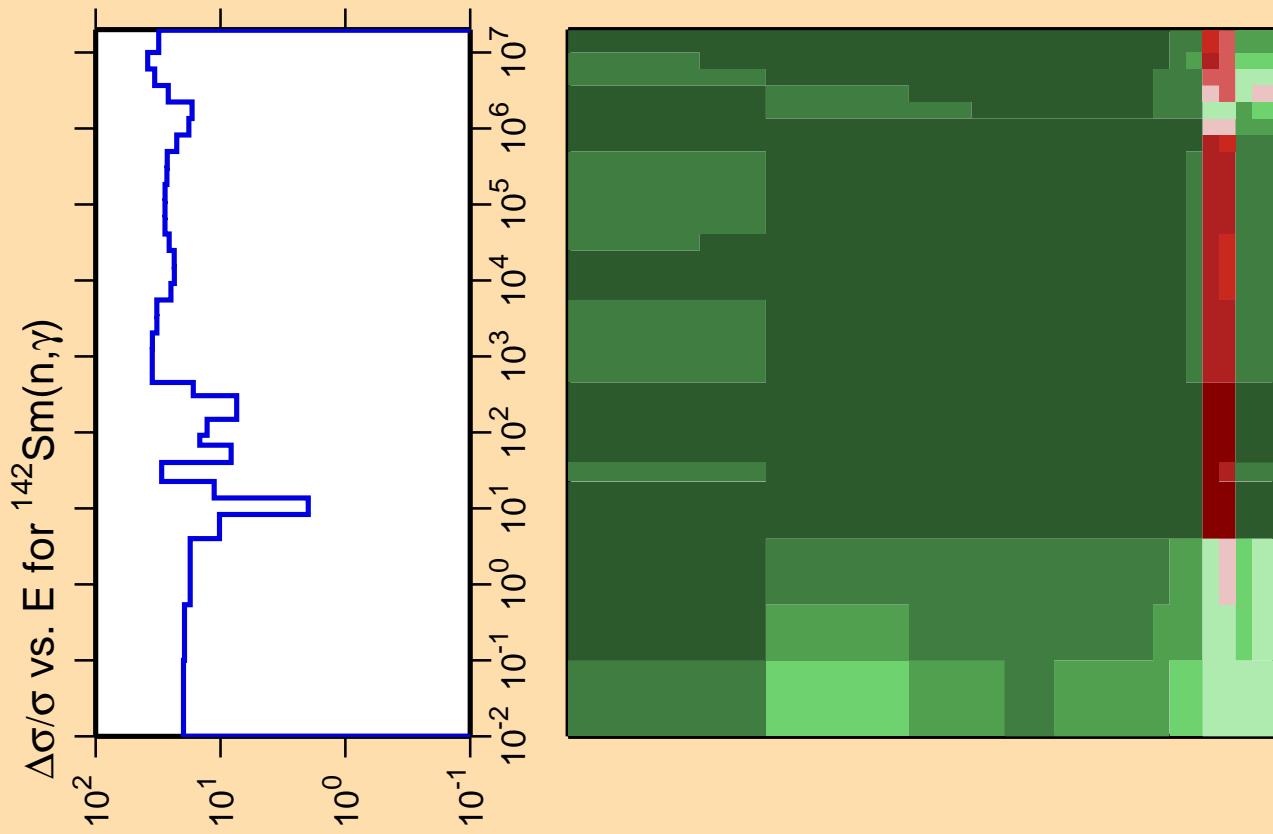
$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\text{nonel.})$



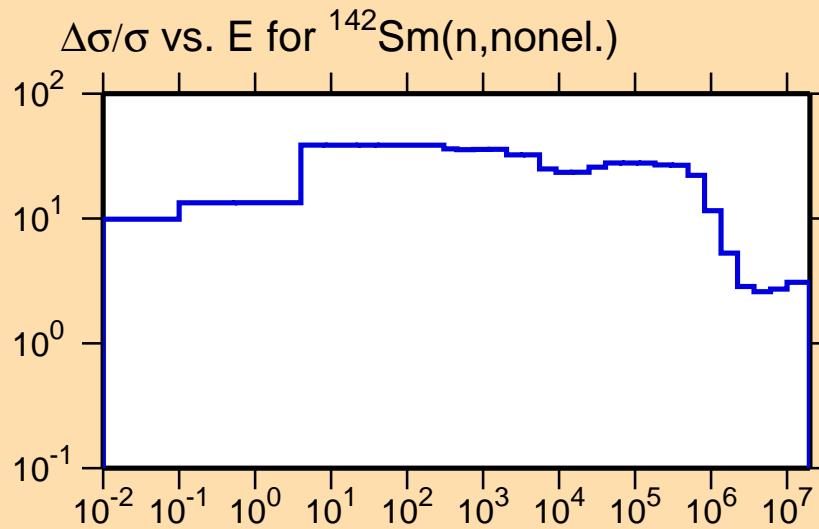
Correlation Matrix



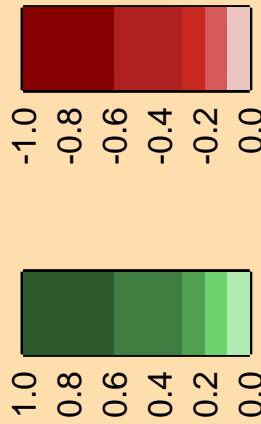


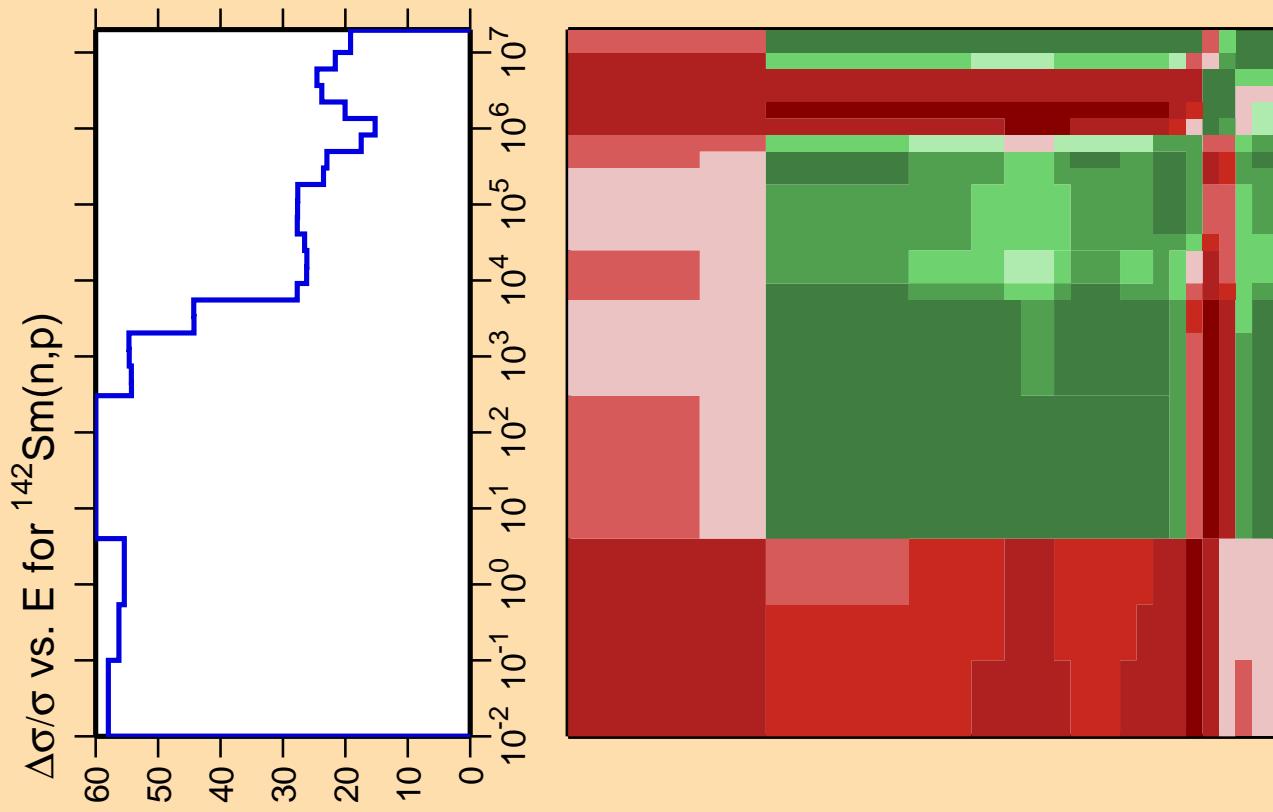


Ordinate scale is %  
relative standard deviation.  
Abscissa scales are energy (eV).

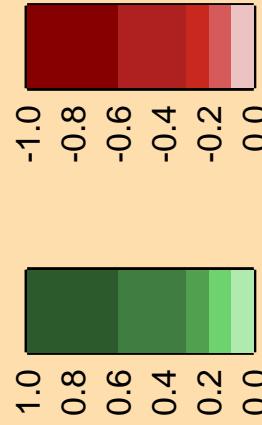


Correlation Matrix





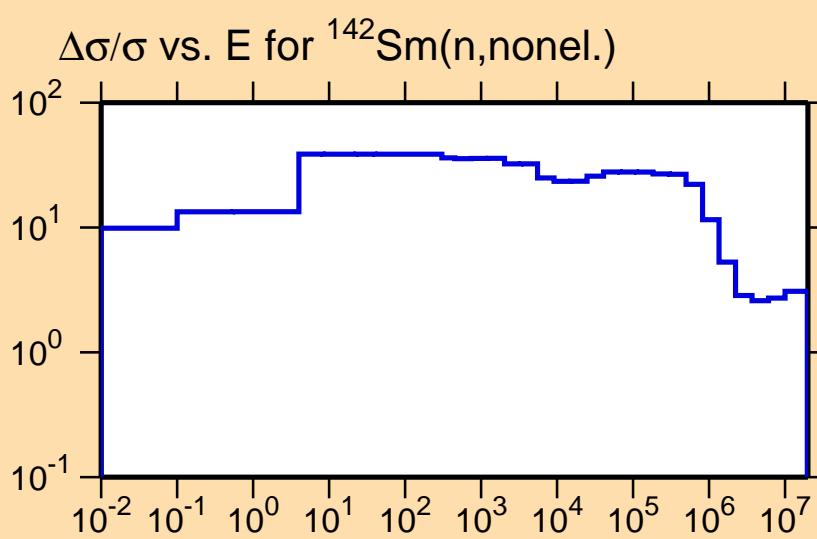
Correlation Matrix

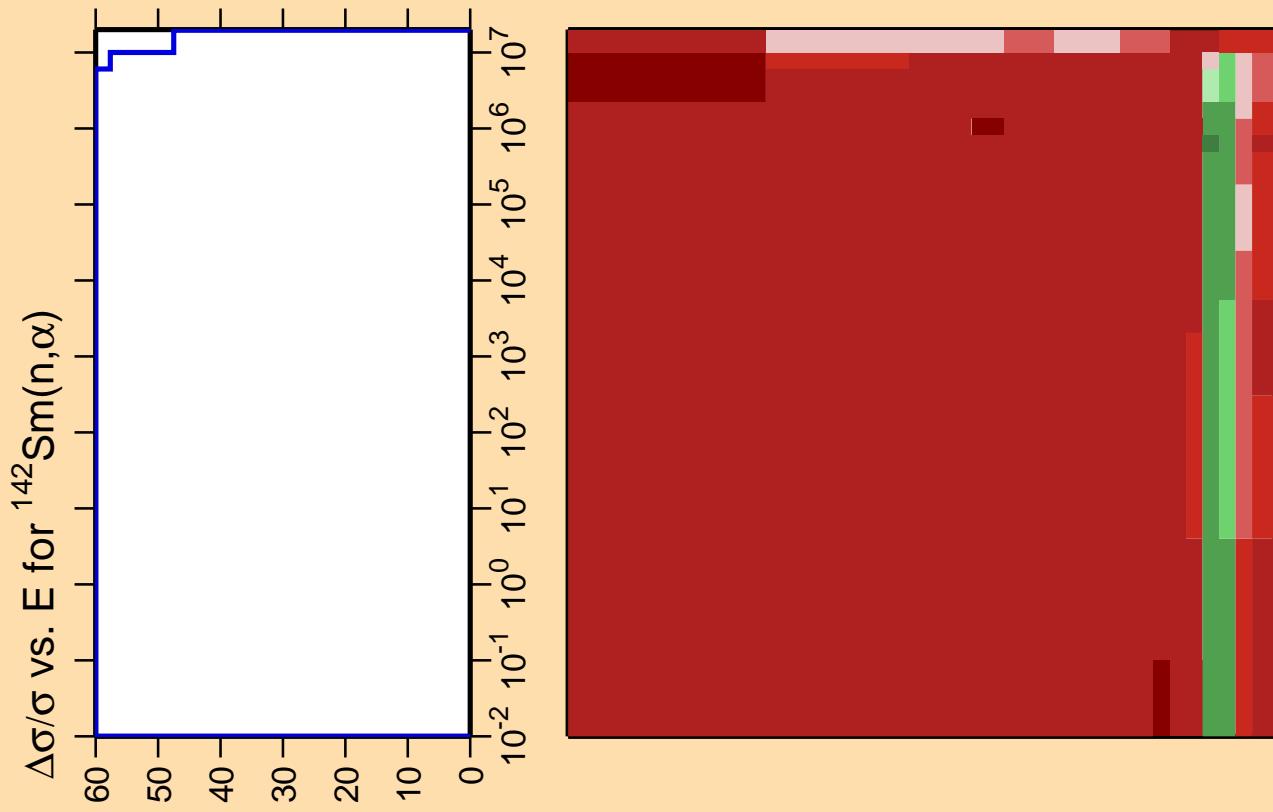


Ordinate scale is % relative standard deviation.

Abscissa scales are energy (eV).

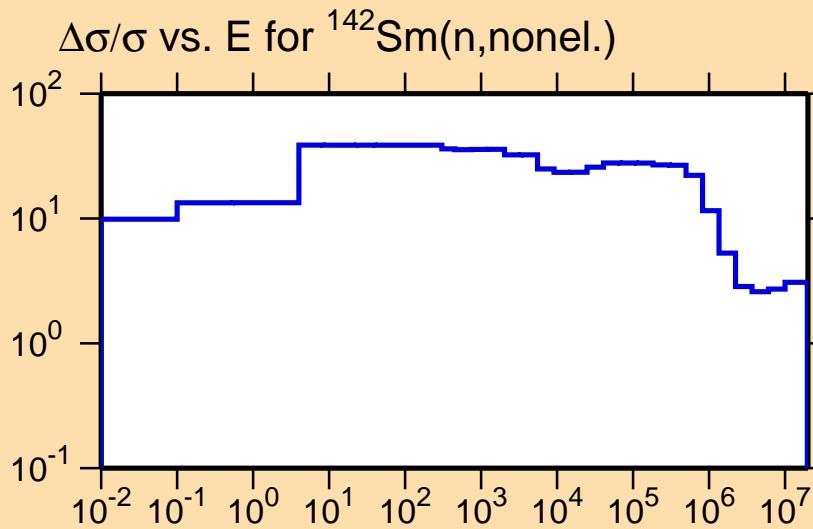
Warning: some uncertainty data were suppressed.



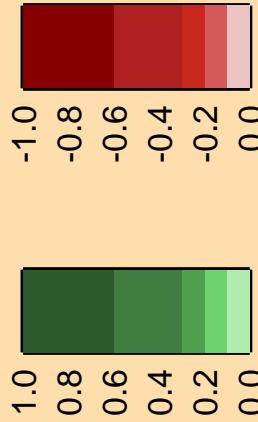


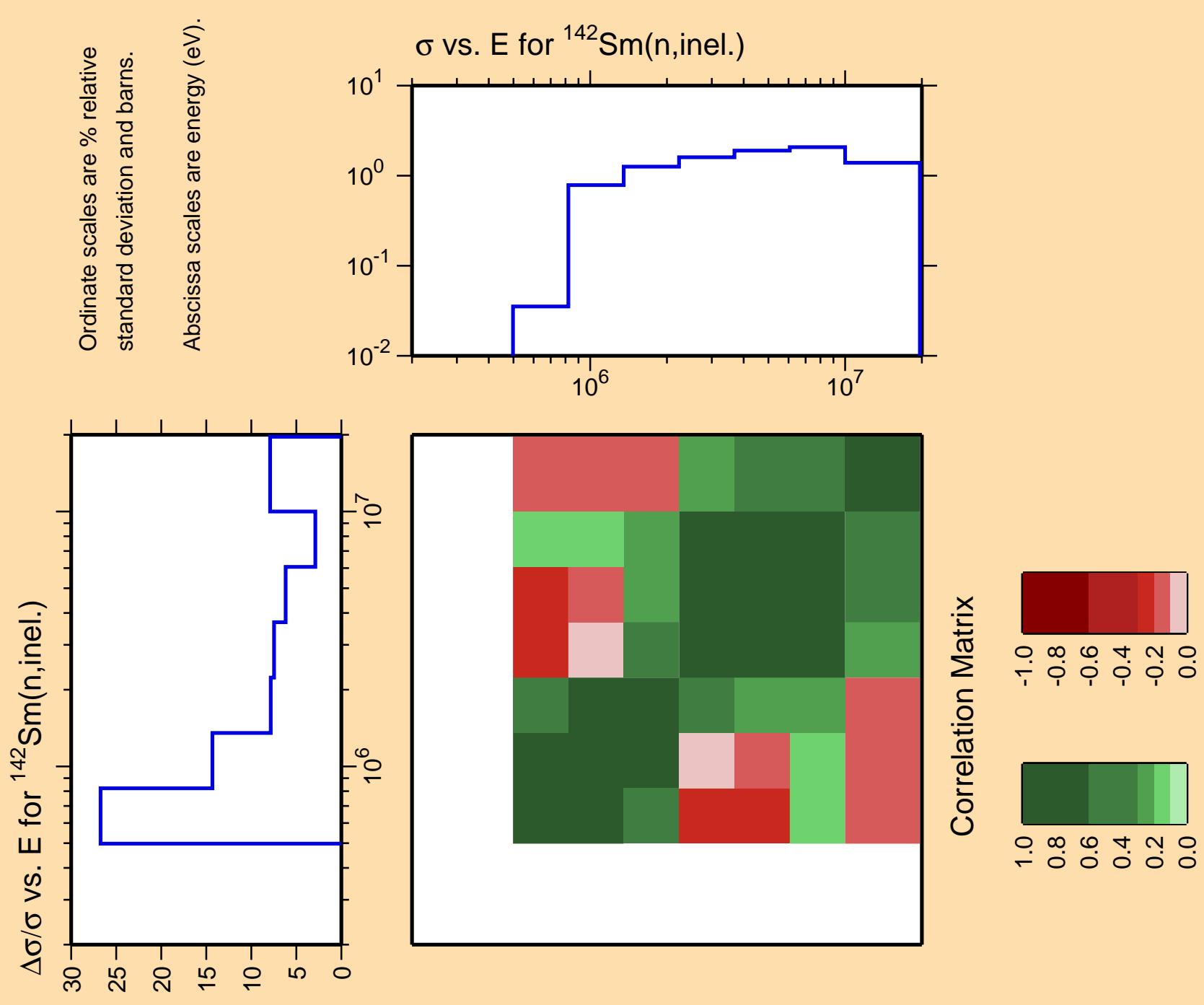
Ordinate scale is %  
relative standard deviation.

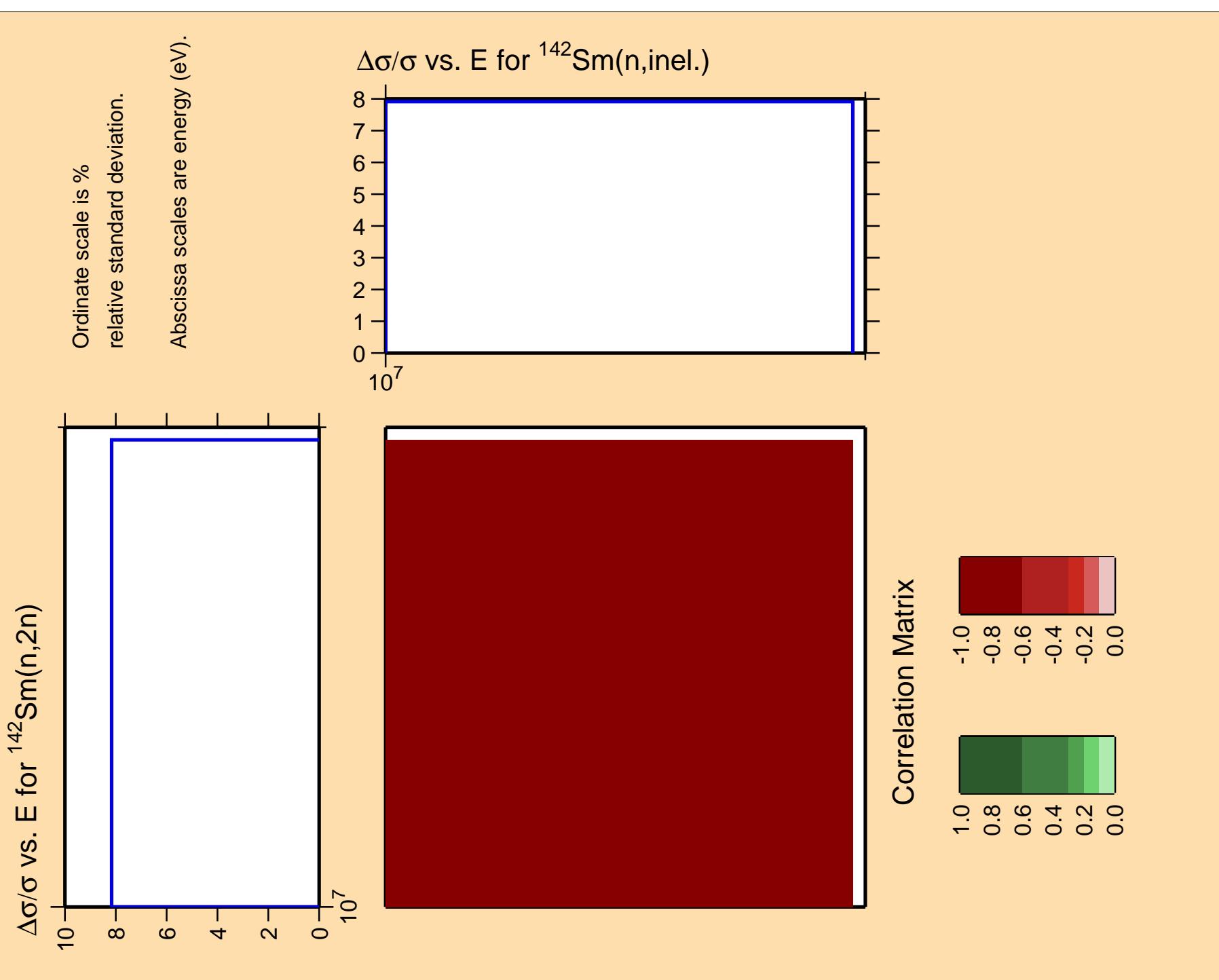
Abscissa scales are energy (eV).  
Warning: some uncertainty  
data were suppressed.



Correlation Matrix





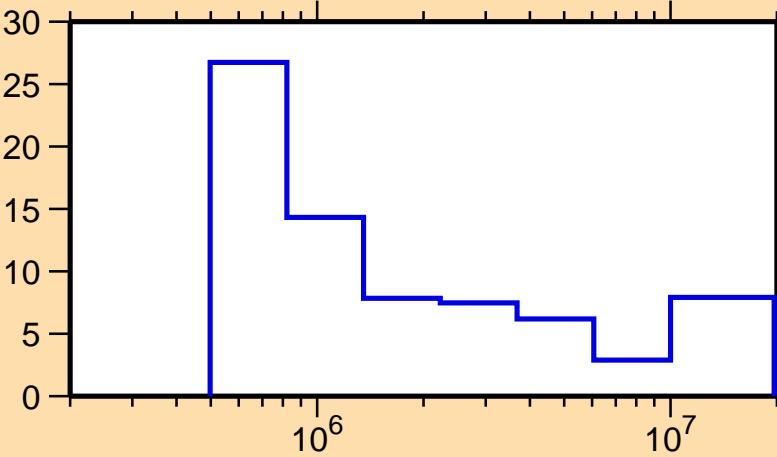


$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\text{n}_1)$

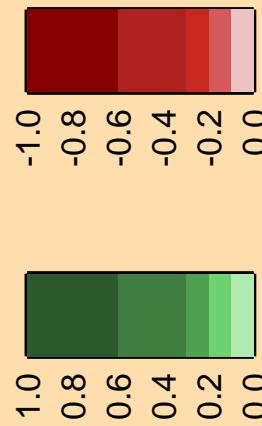
Ordinate scale is %  
relative standard deviation.

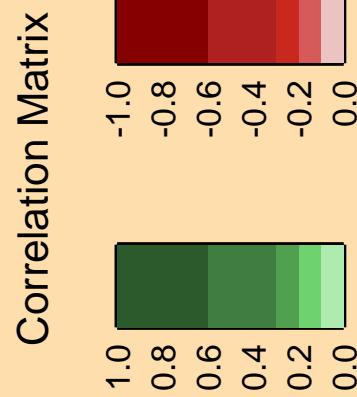
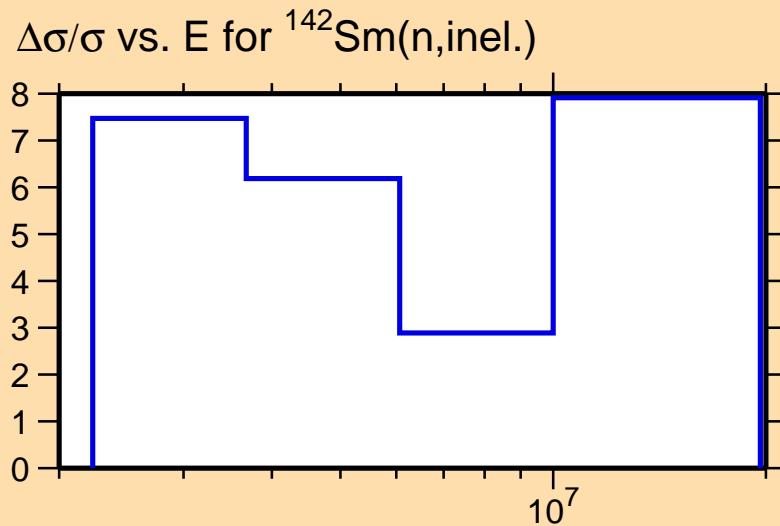
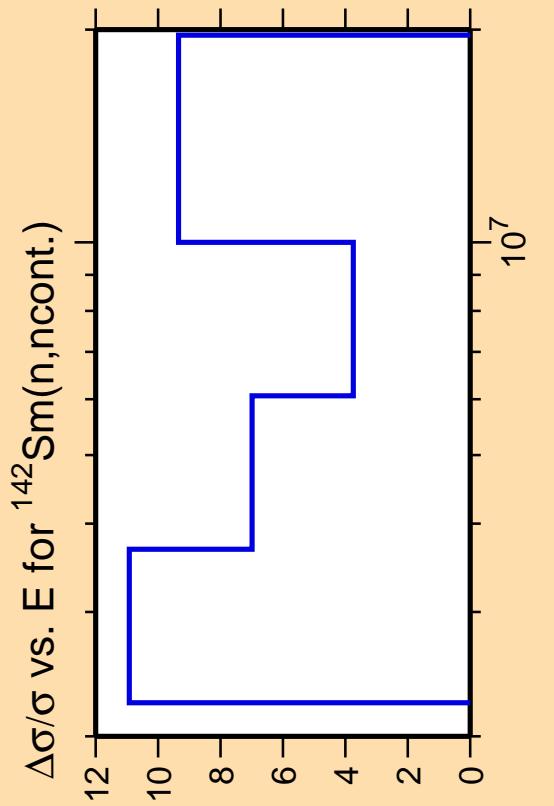
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\text{inel.})$



Correlation Matrix



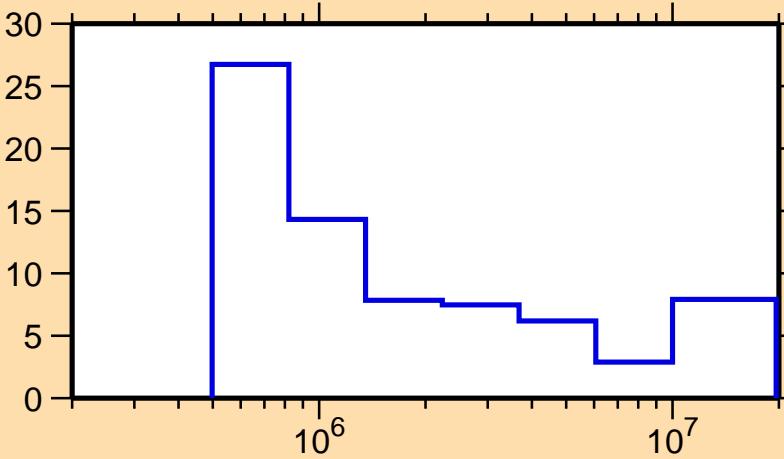


$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\gamma)$

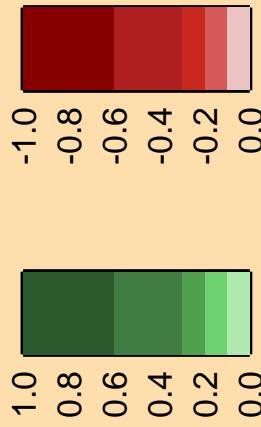
Ordinate scale is %  
relative standard deviation.

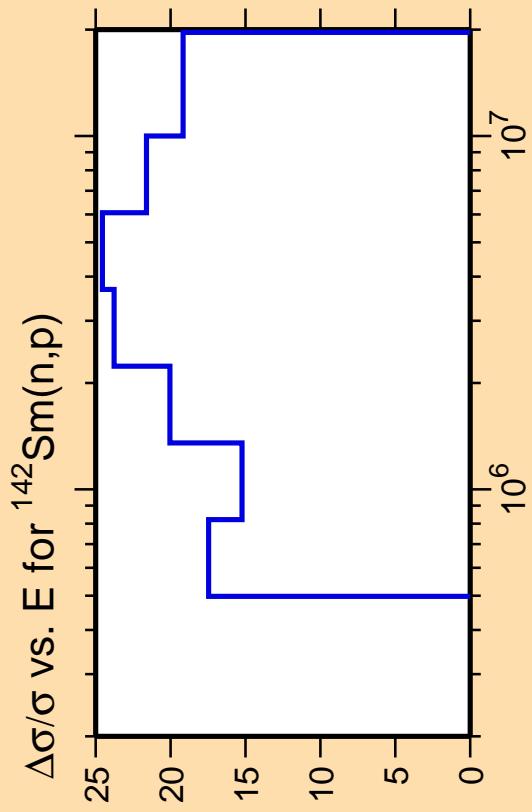
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\text{inel.})$

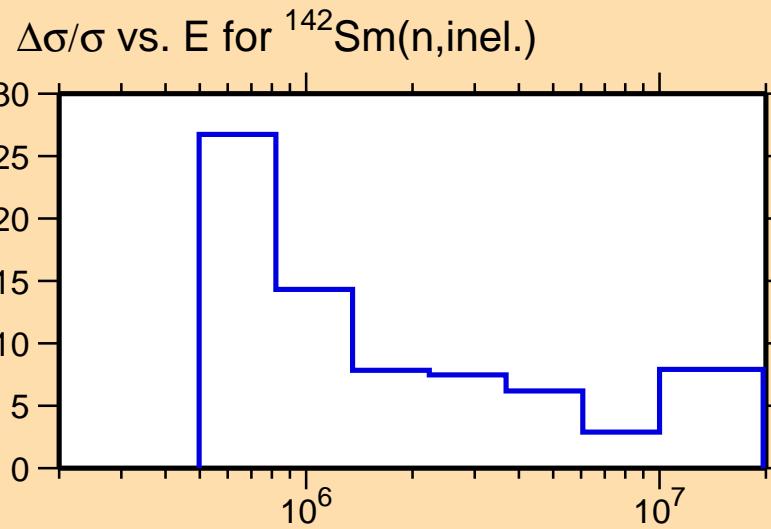


Correlation Matrix

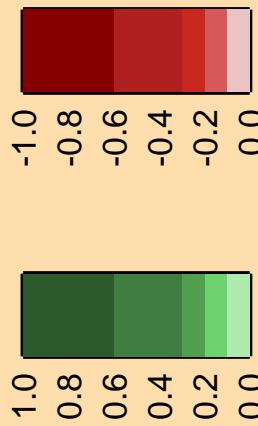


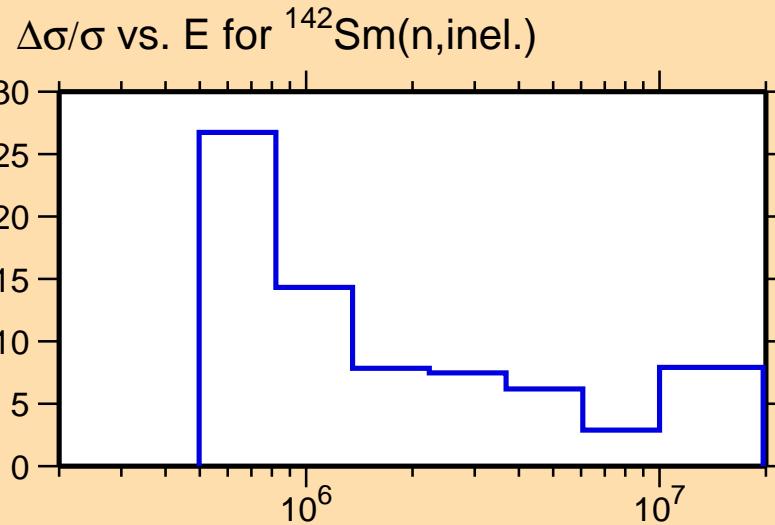
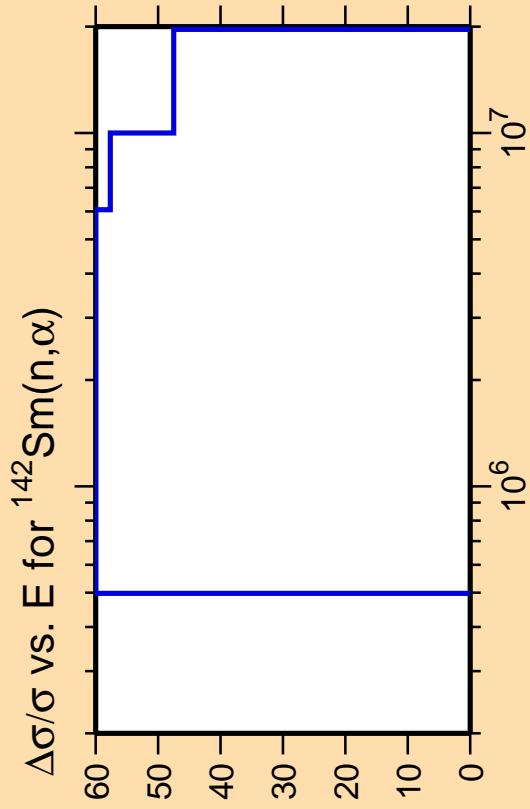


Ordinate scale is %  
relative standard deviation.  
Abscissa scales are energy (eV).



Correlation Matrix



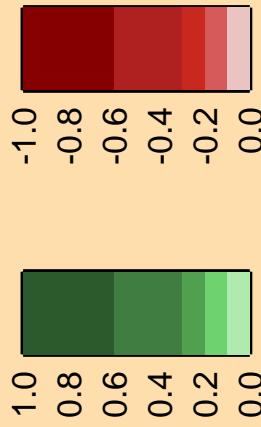


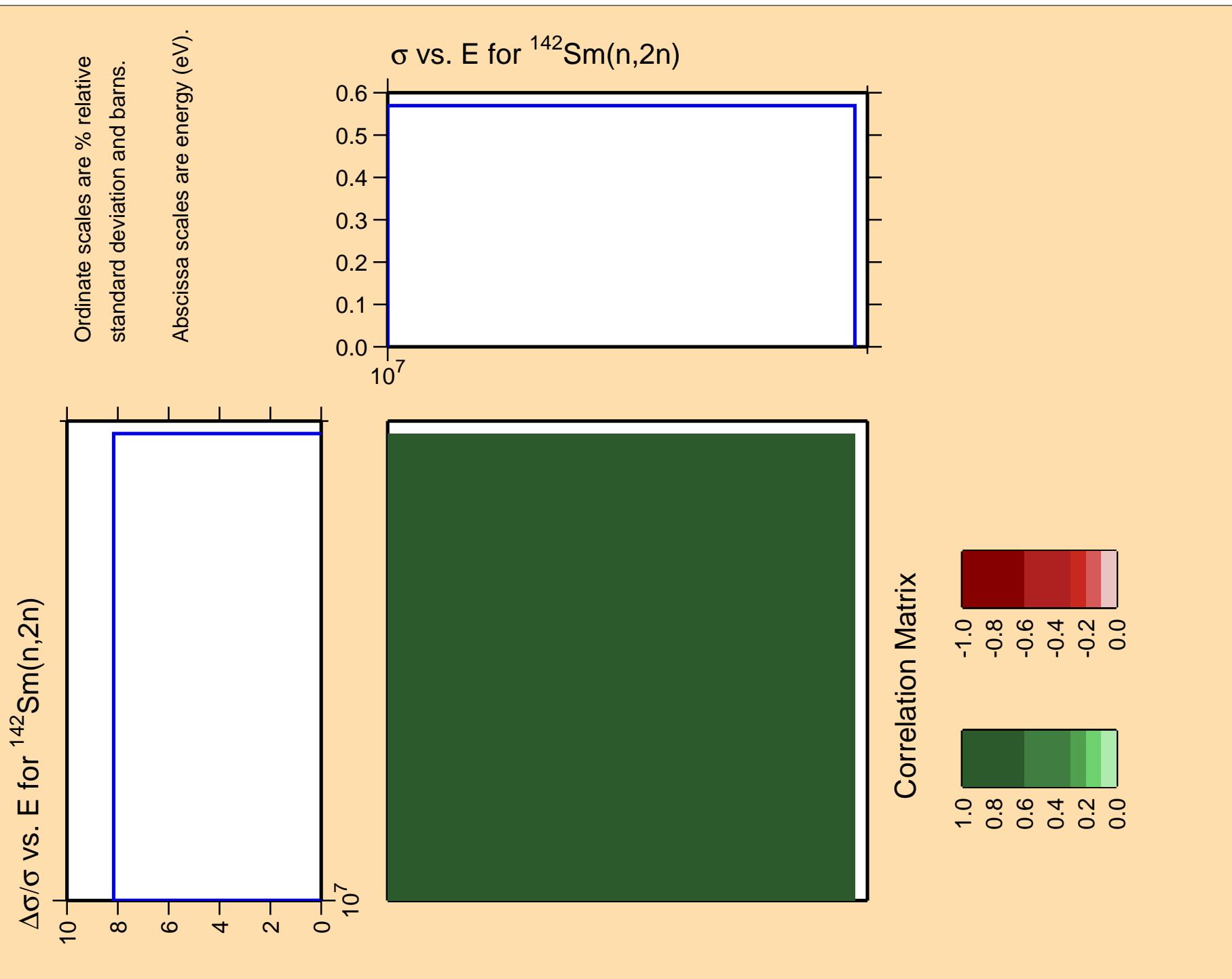
Ordinate scale is %  
relative standard deviation.

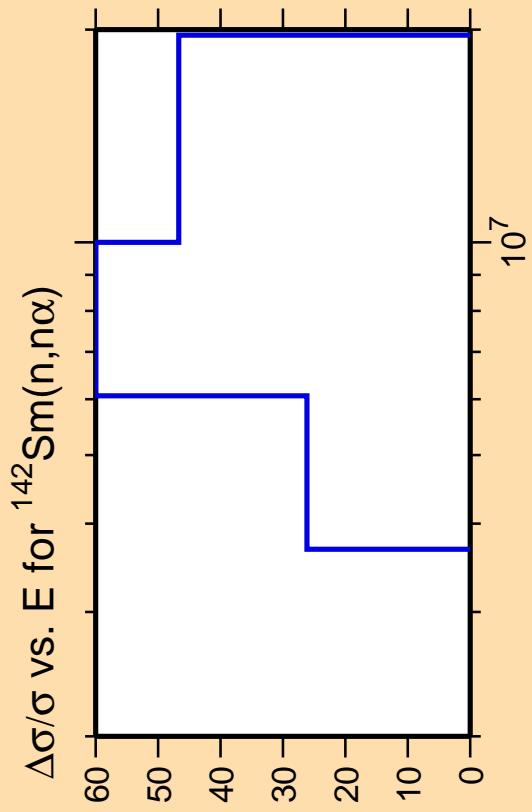
Abscissa scales are energy (eV).

Warning: some uncertainty  
data were suppressed.

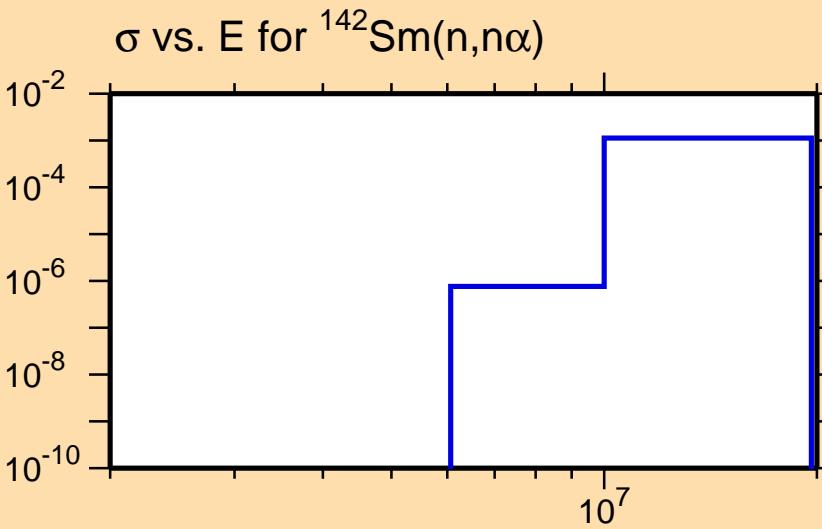
Correlation Matrix



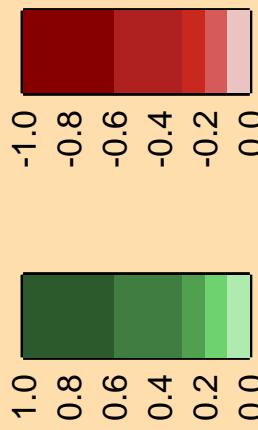




Ordinate scales are % relative  
standard deviation and barns.  
Abscissa scales are energy (eV).  
Warning: some uncertainty  
data were suppressed.



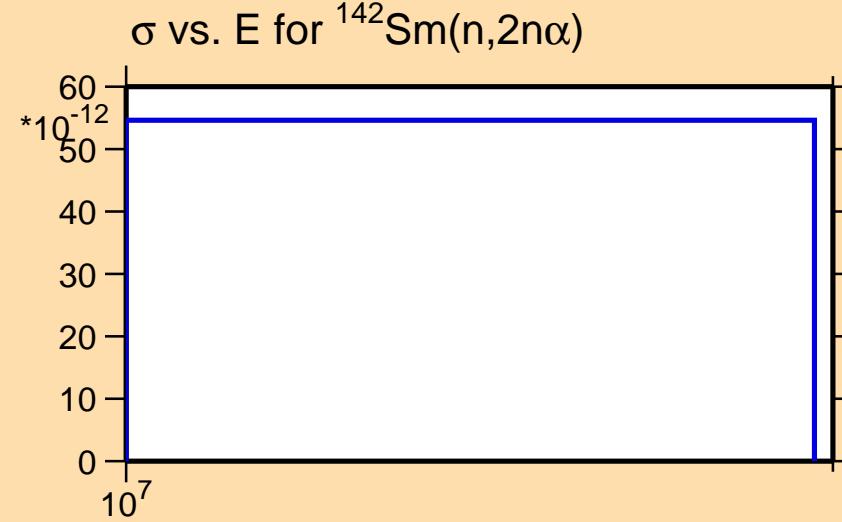
Correlation Matrix



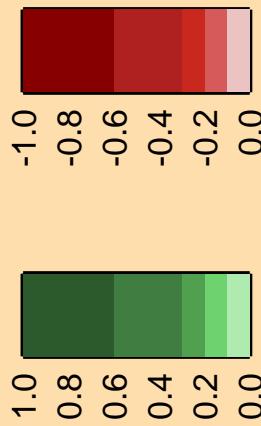
$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,2n\alpha)$

Ordinate scales are % relative  
standard deviation and barns.

Abscissa scales are energy (eV).



Correlation Matrix

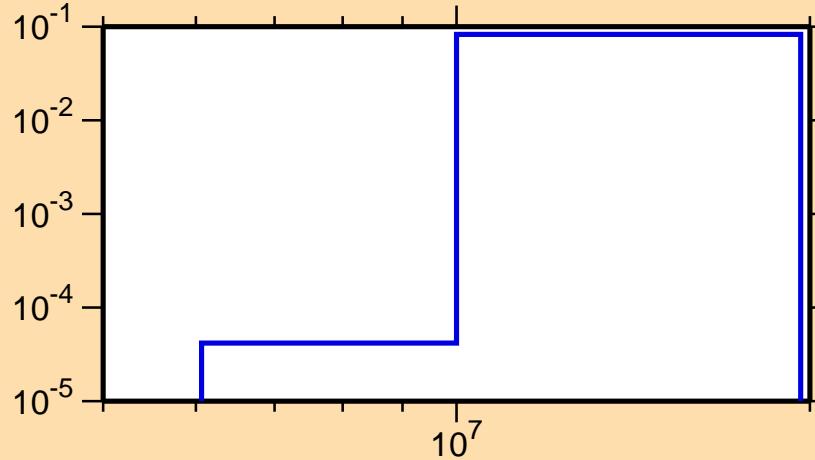


$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\text{np})$

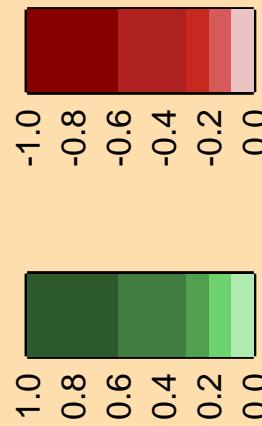
Ordinate scales are % relative  
standard deviation and barns.

Abscissa scales are energy (eV).

$\sigma$  vs. E for  $^{142}\text{Sm}(n,\text{np})$



Correlation Matrix

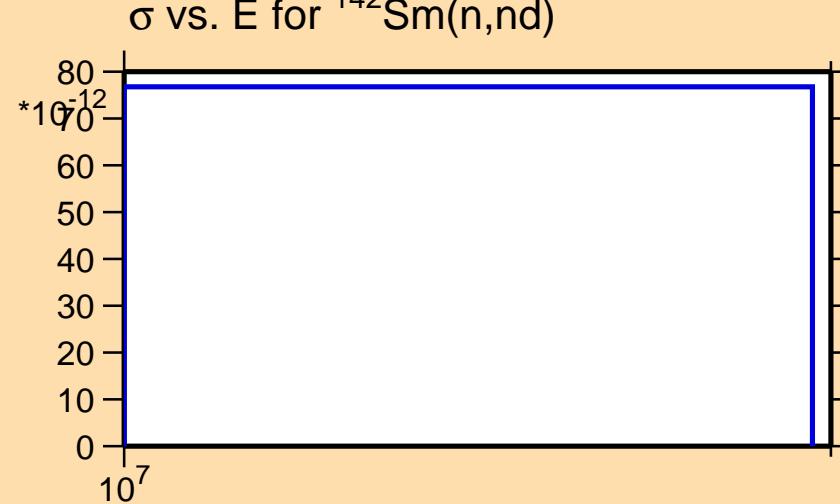
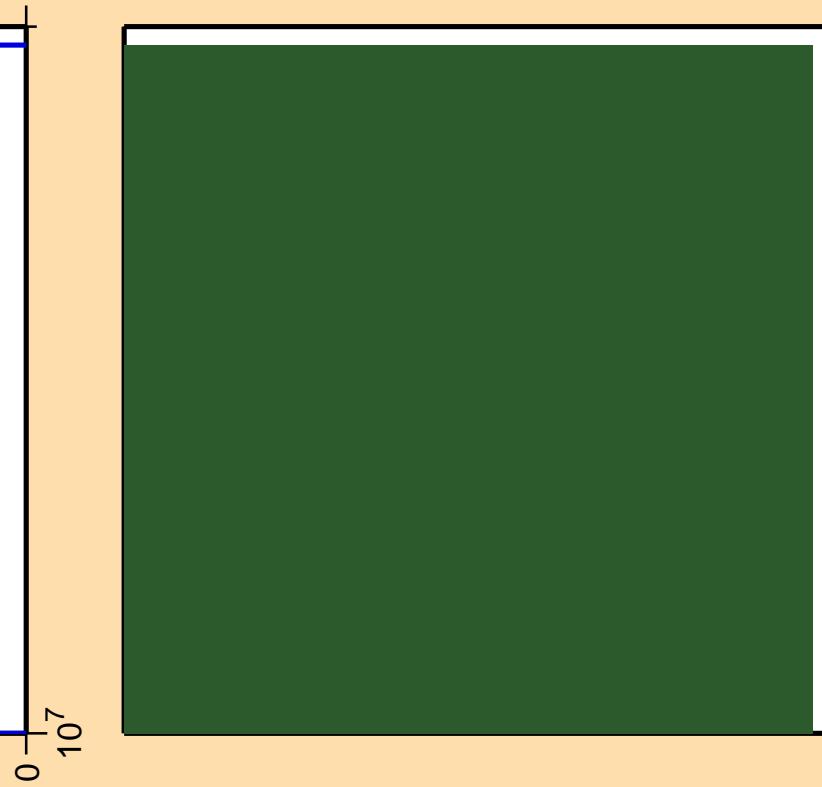


$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\text{nd})$

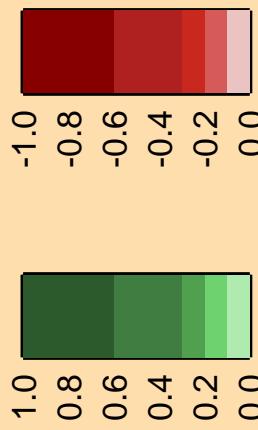
Ordinate scales are % relative  
standard deviation and barns.

Abscissa scales are energy (eV).

Warning: some uncertainty  
data were suppressed.

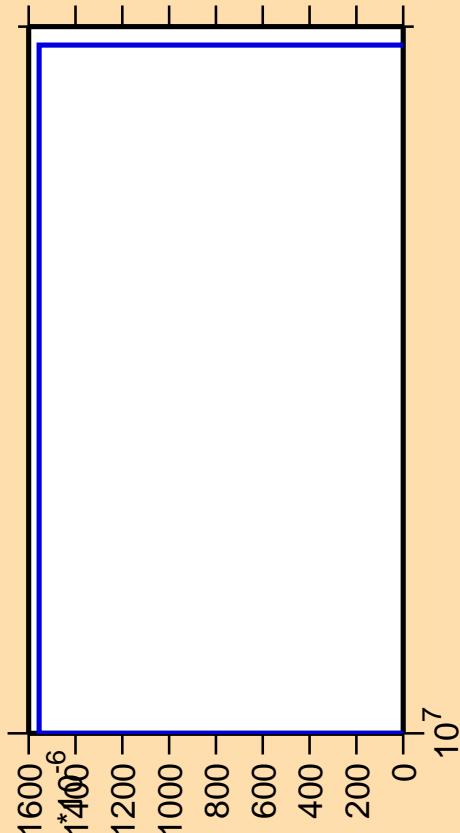


Correlation Matrix

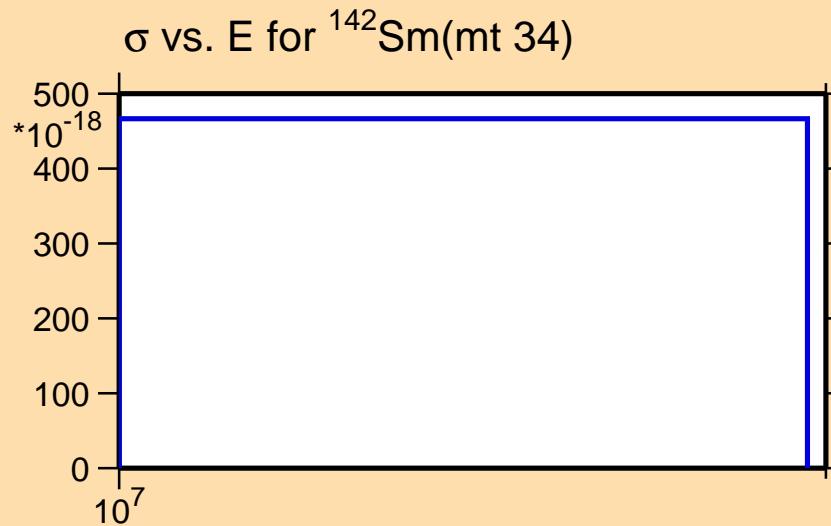


$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(\text{mt } 34)$

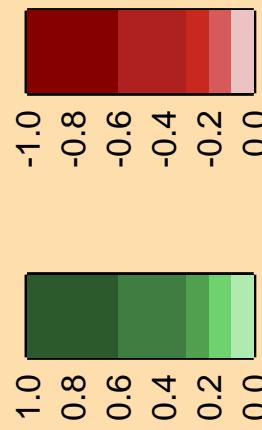
1600  
1400  
1200  
1000  
800  
600  
400  
200  
0



Ordinate scales are % relative  
standard deviation and barns.  
Abscissa scales are energy (eV).

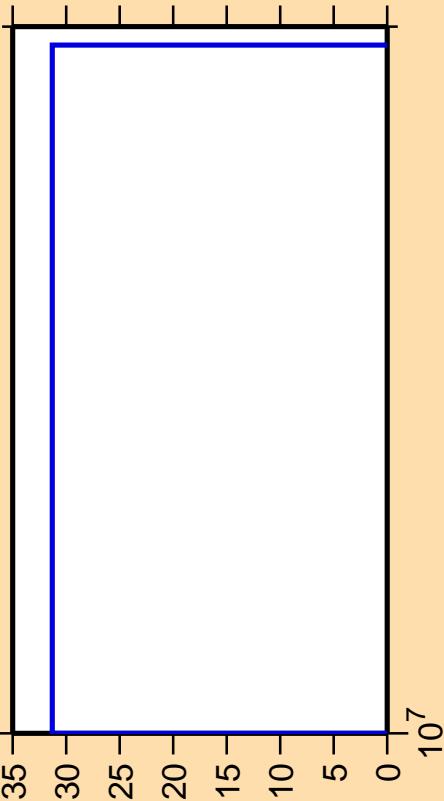


Correlation Matrix

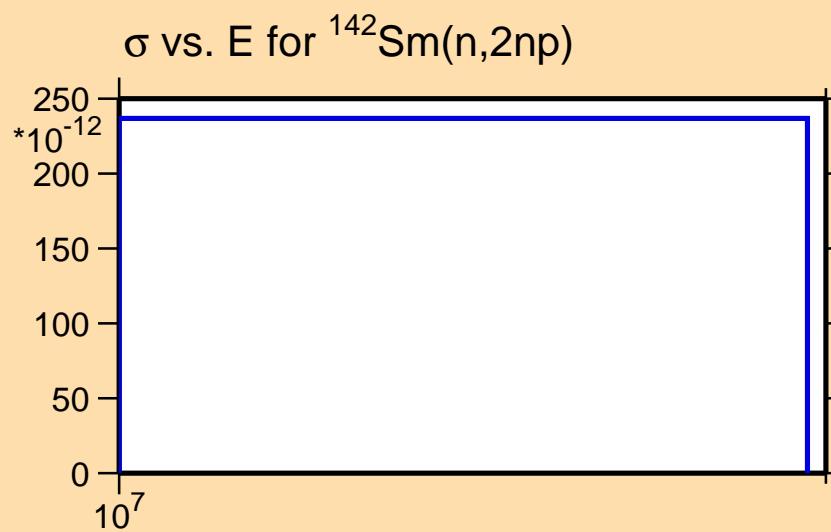


$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,2\text{np})$

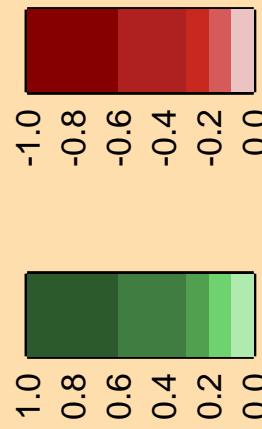
35  
30  
25  
20  
15  
10  
5  
0



Ordinate scales are % relative  
standard deviation and barns.  
Abscissa scales are energy (eV).



Correlation Matrix



$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(\text{mt } 45)$

Ordinate scales are % relative  
standard deviation and barns.

Abscissa scales are energy (eV).

4.0  
3.5  
3.0  
2.5  
2.0  
1.5  
1.0  
0.5  
0.0

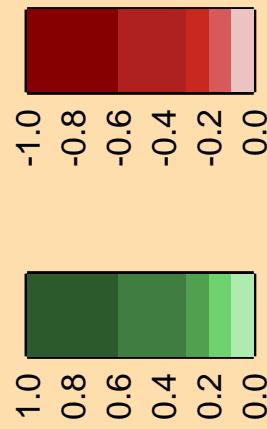
$10^7$

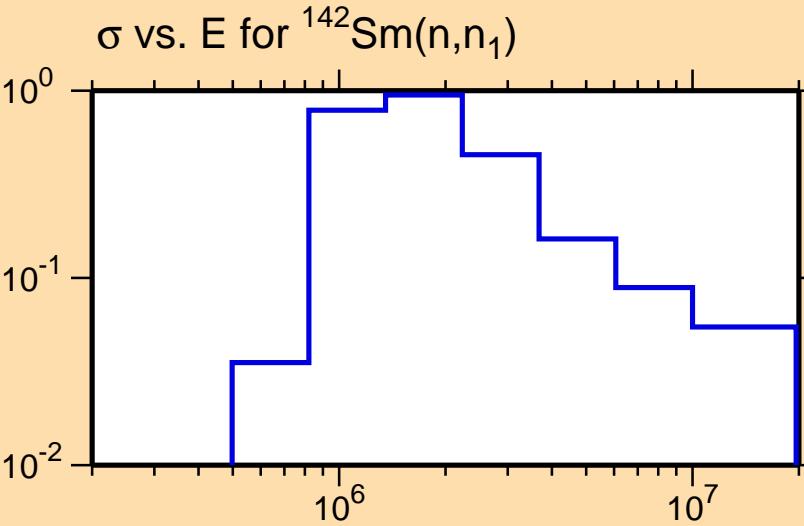
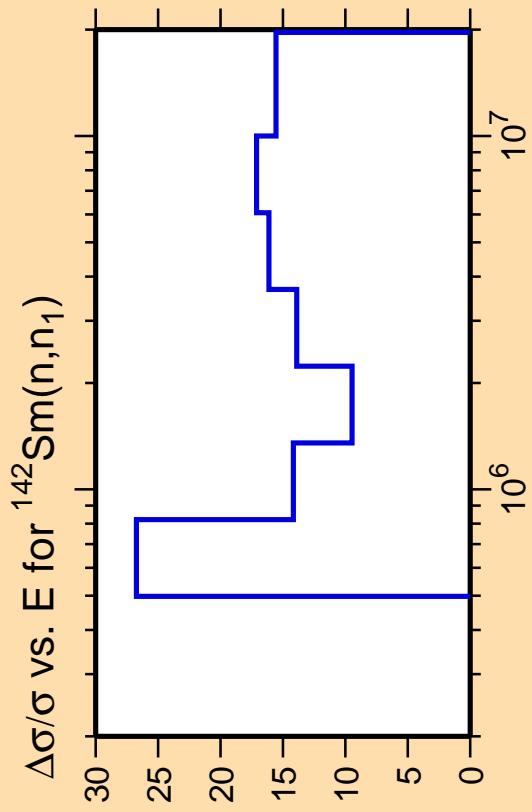
5  
4  
3  
2  
1  
0

$10^{-12}$

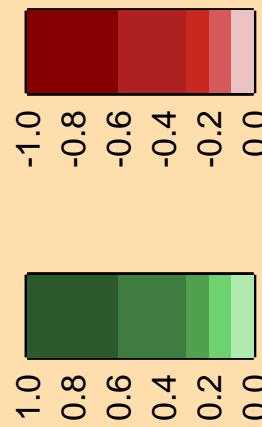
$\sigma$  vs. E for  $^{142}\text{Sm}(\text{mt } 45)$

Correlation Matrix

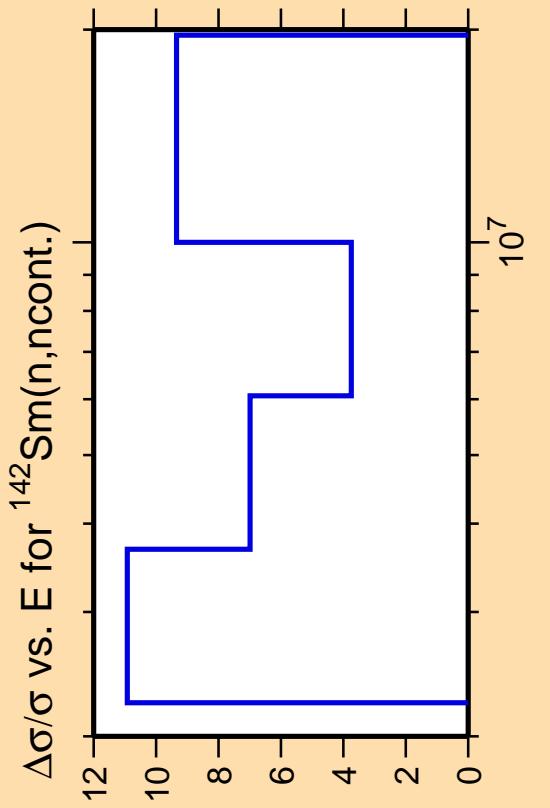




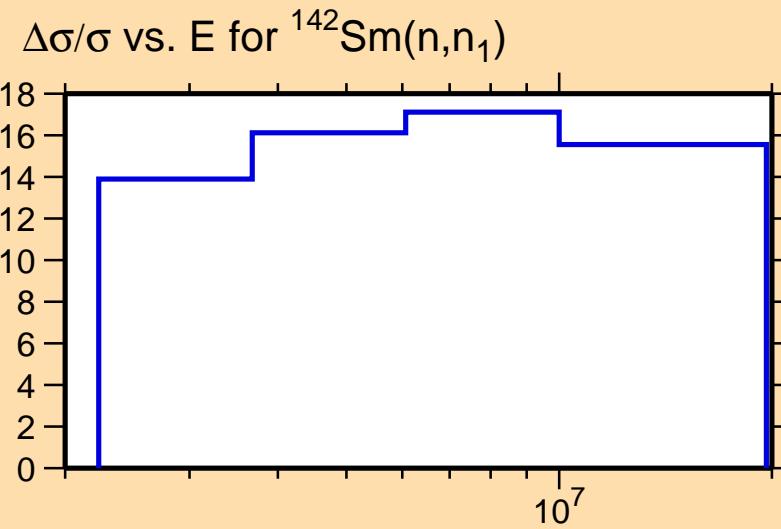
Correlation Matrix



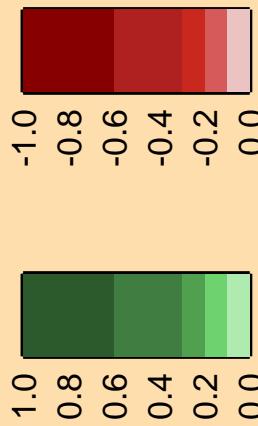
Ordinate scales are % relative  
standard deviation and barns.  
Abscissa scales are energy (eV).



Ordinate scale is %  
relative standard deviation.  
Abscissa scales are energy (eV).



Correlation Matrix

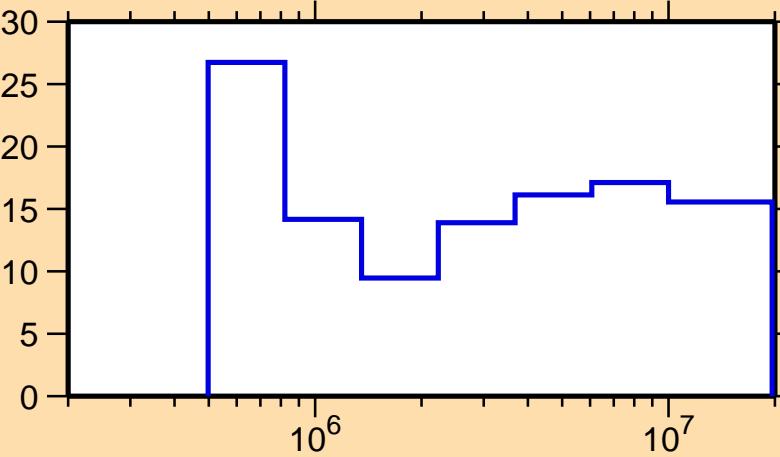


$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\gamma)$

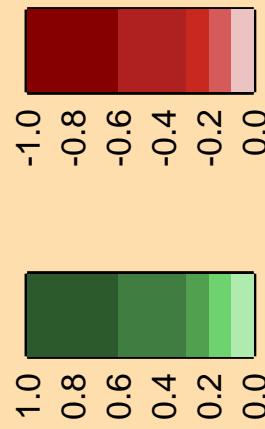
Ordinate scale is %  
relative standard deviation.

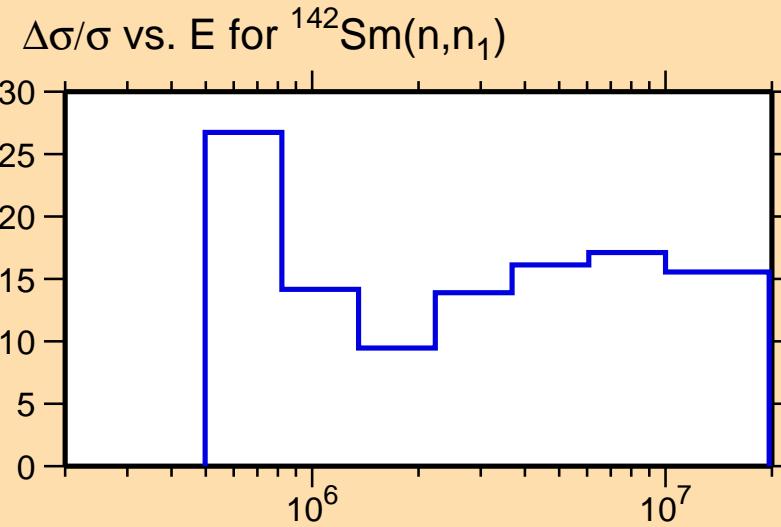
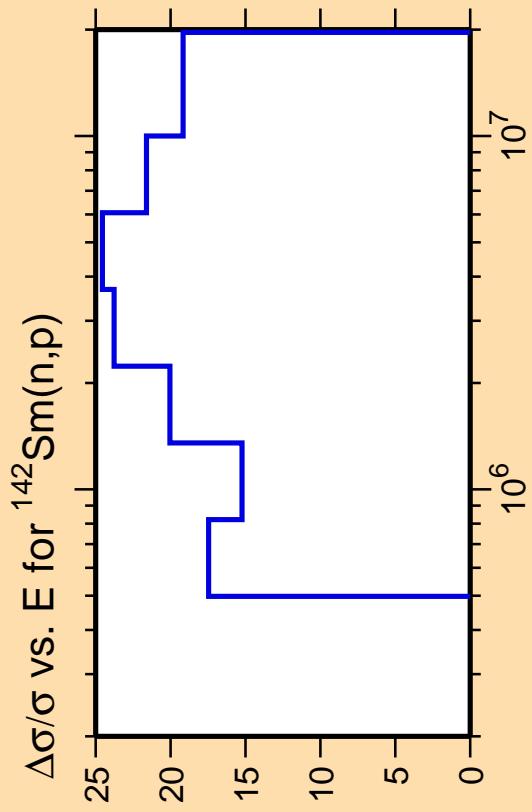
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,n_1)$

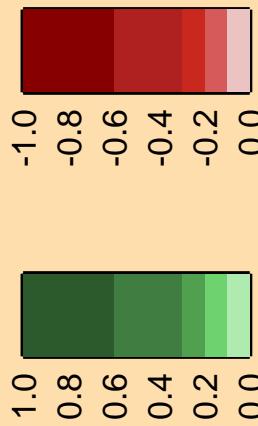


Correlation Matrix

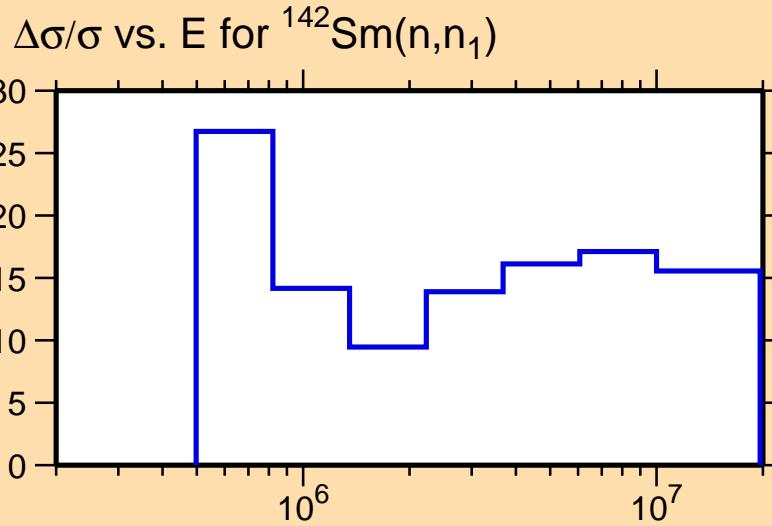
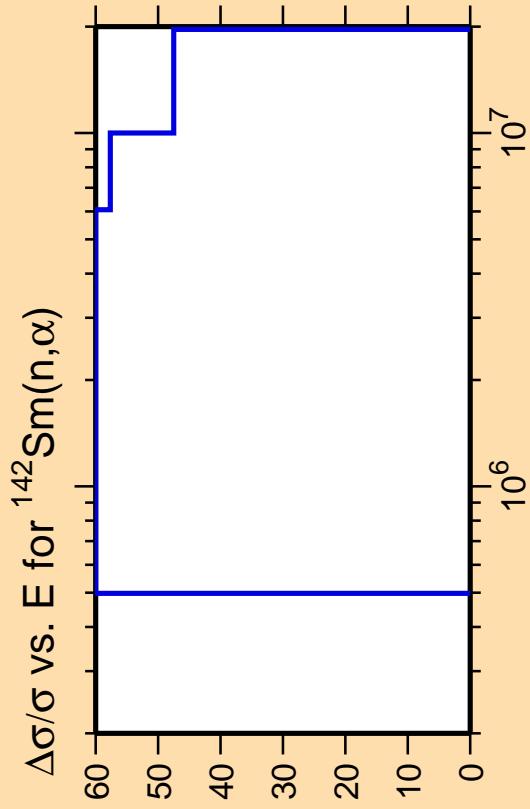




Correlation Matrix



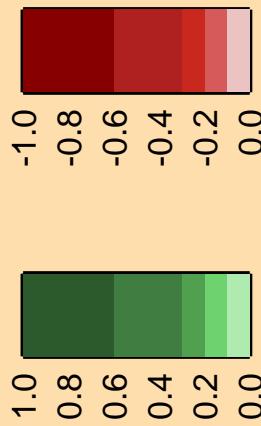
Ordinate scale is %  
relative standard deviation.  
Abscissa scales are energy (eV).

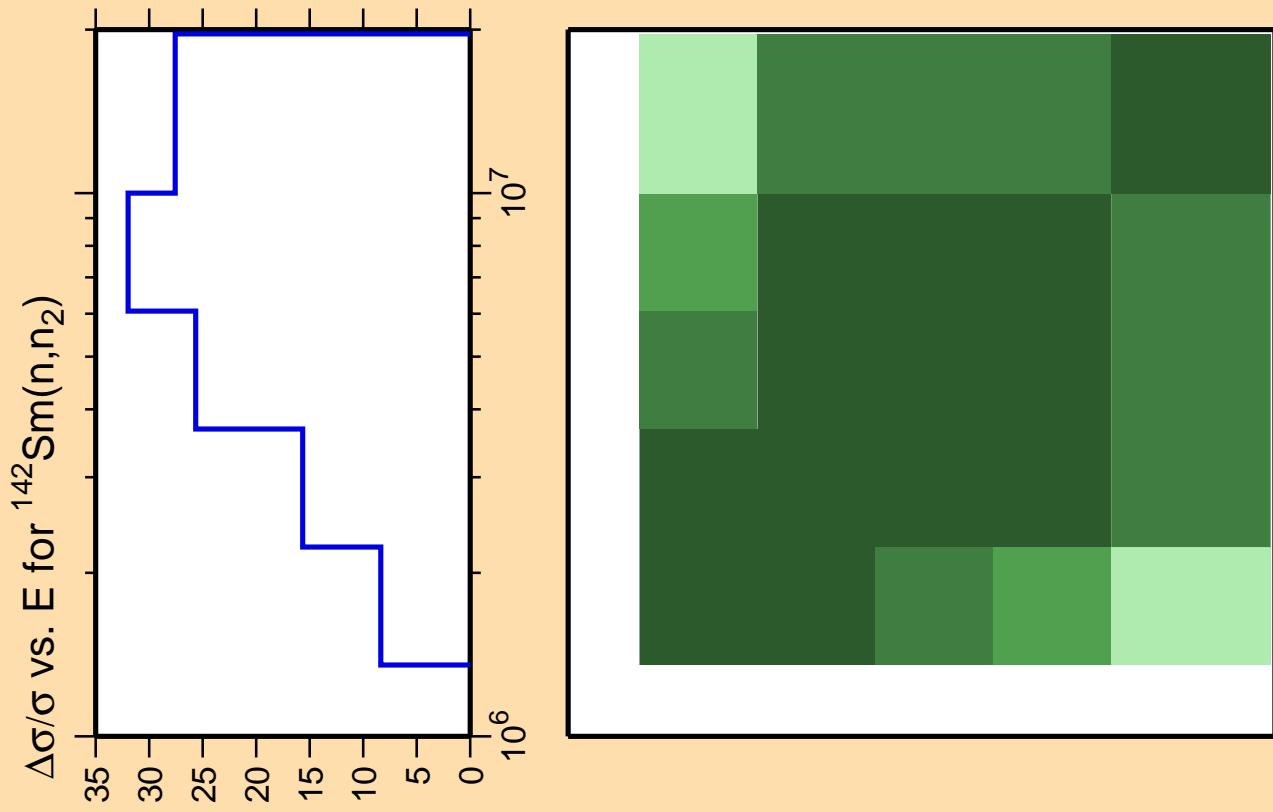


Ordinate scale is %  
relative standard deviation.

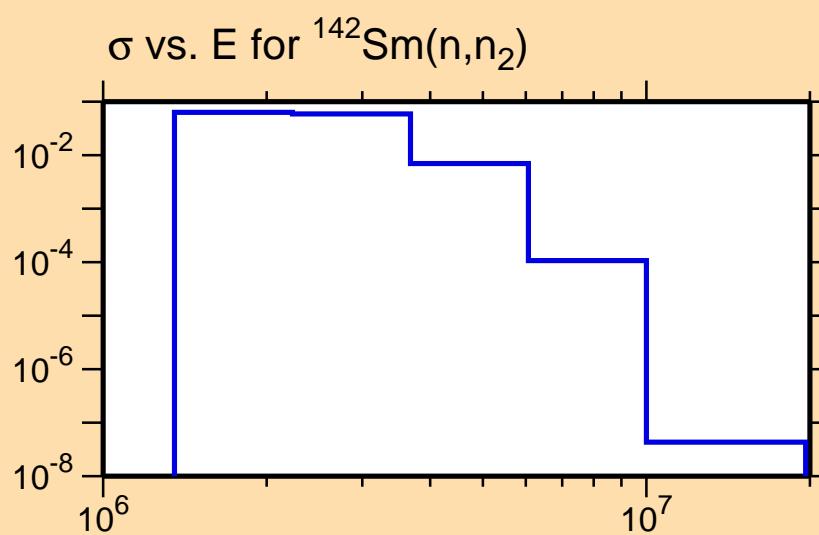
Abscissa scales are energy (eV).  
Warning: some uncertainty  
data were suppressed.

Correlation Matrix

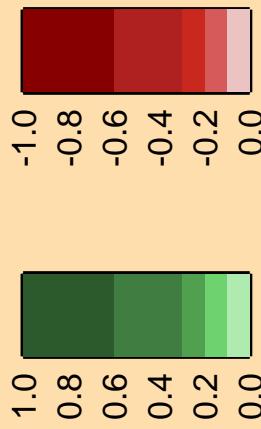


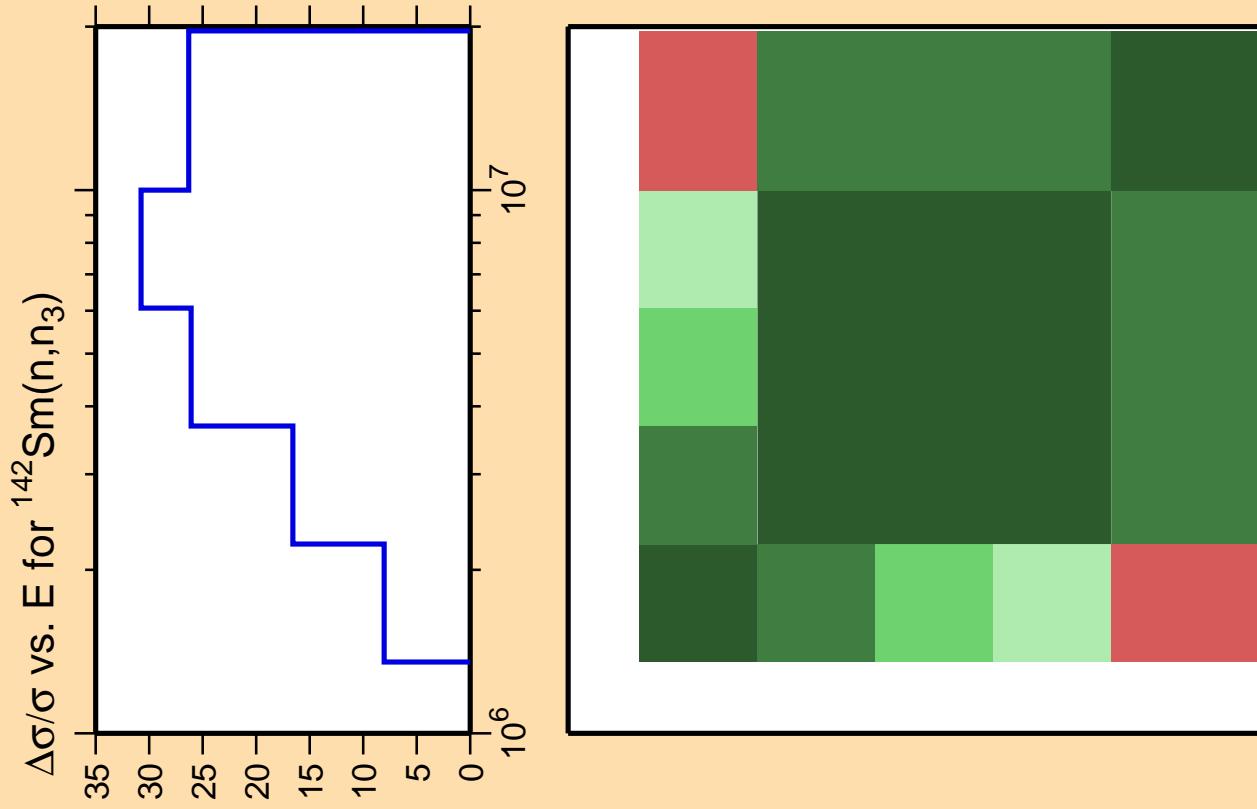


Ordinate scales are % relative  
standard deviation and barns.  
Abscissa scales are energy (eV).

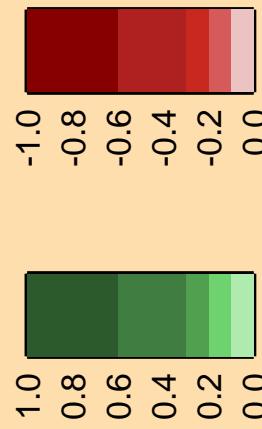


Correlation Matrix

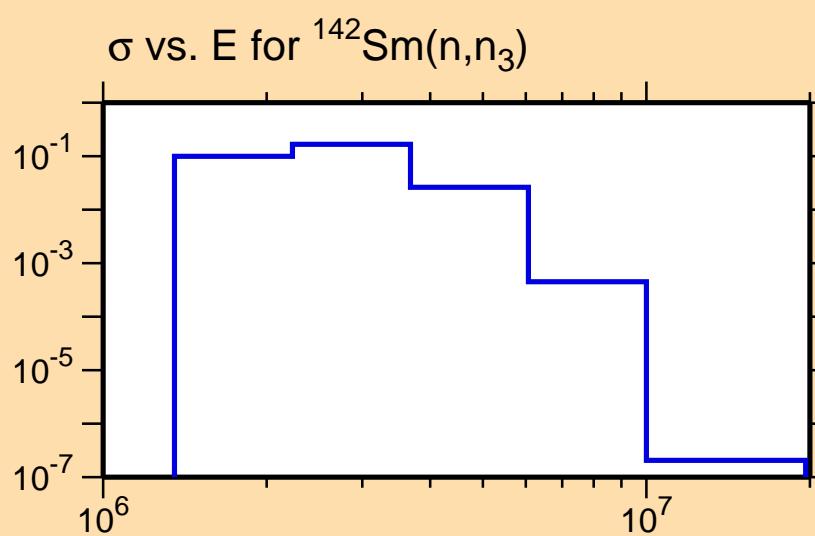


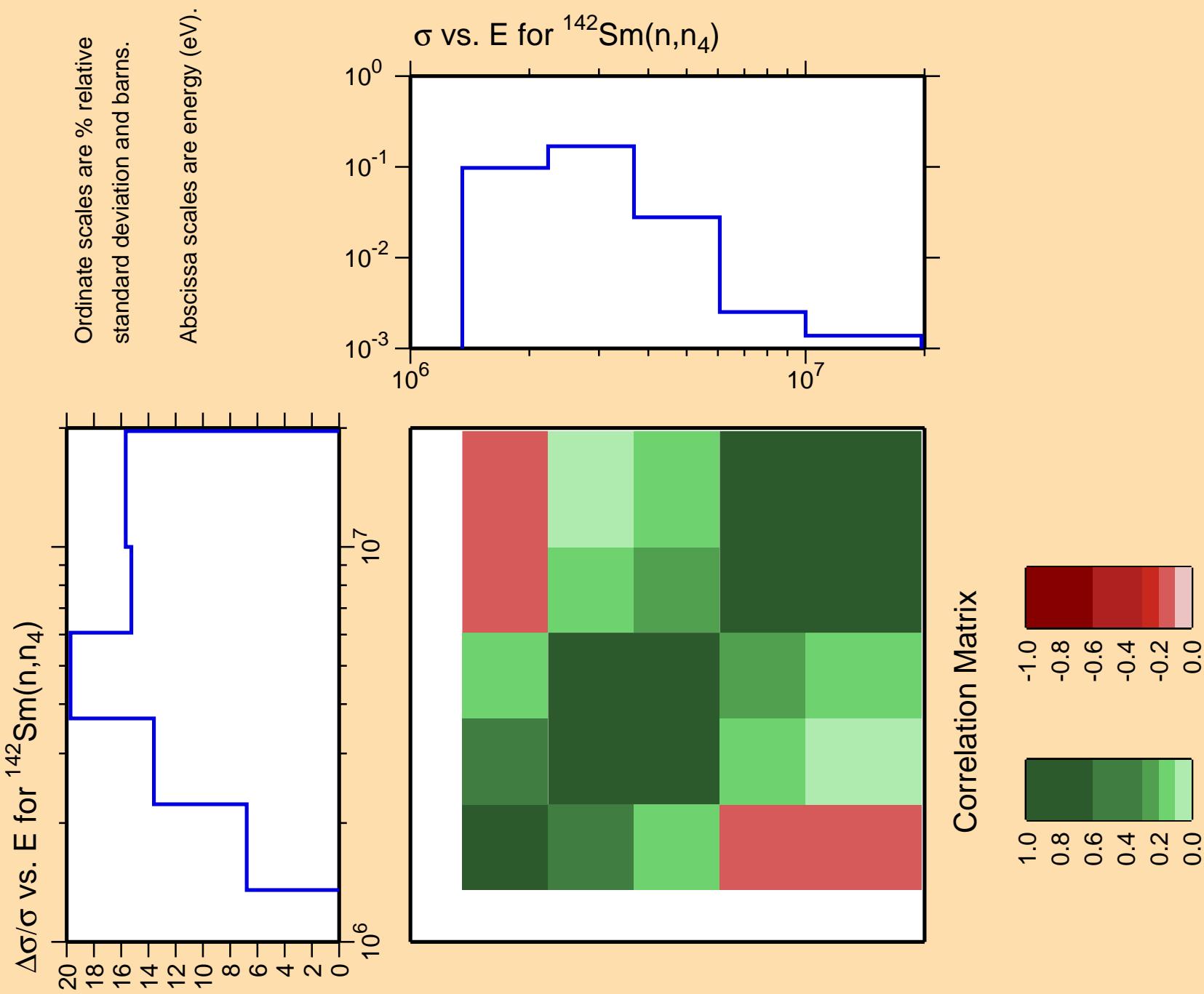


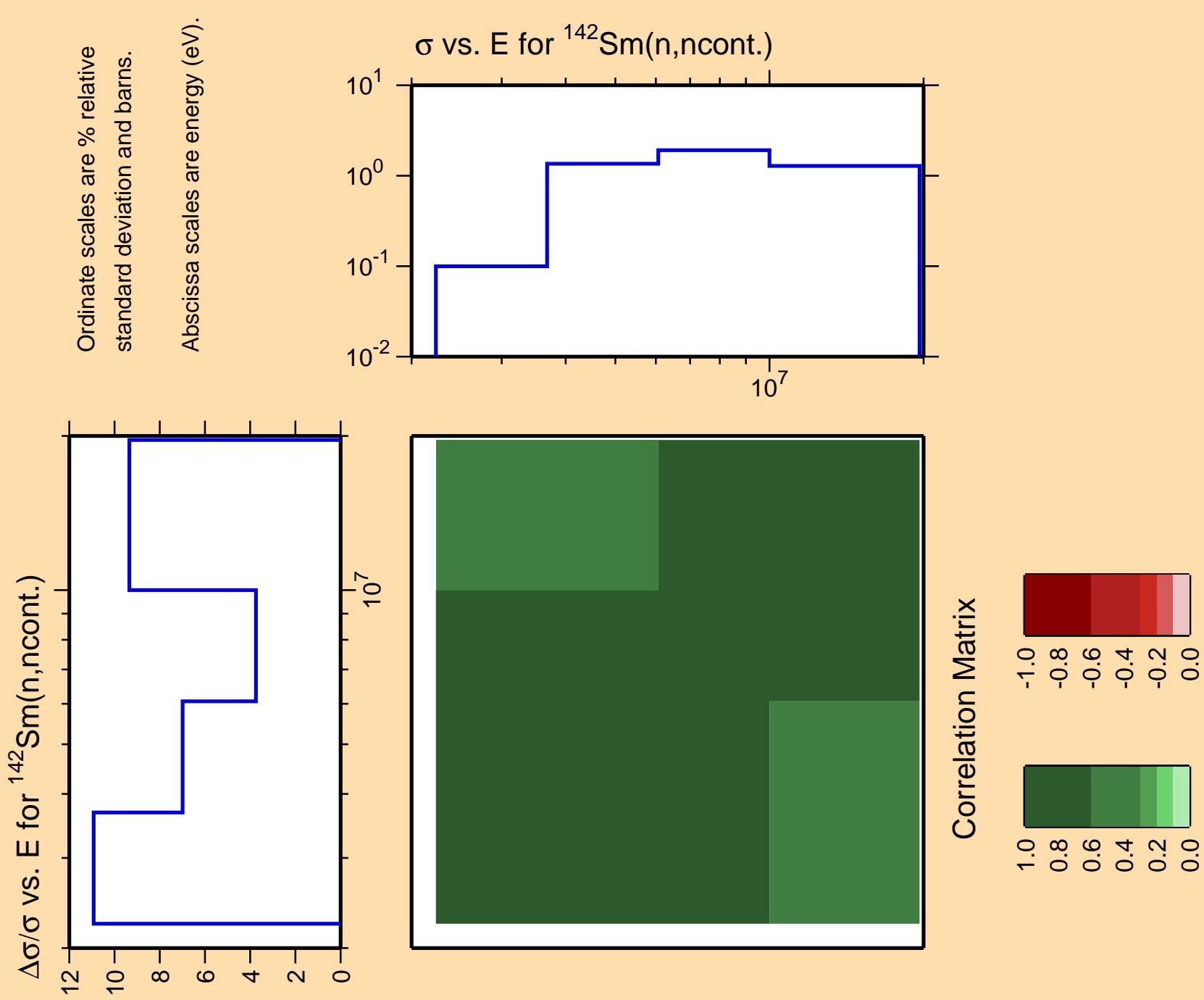
Correlation Matrix



Ordinate scales are % relative  
standard deviation and barns.  
Abscissa scales are energy (eV).





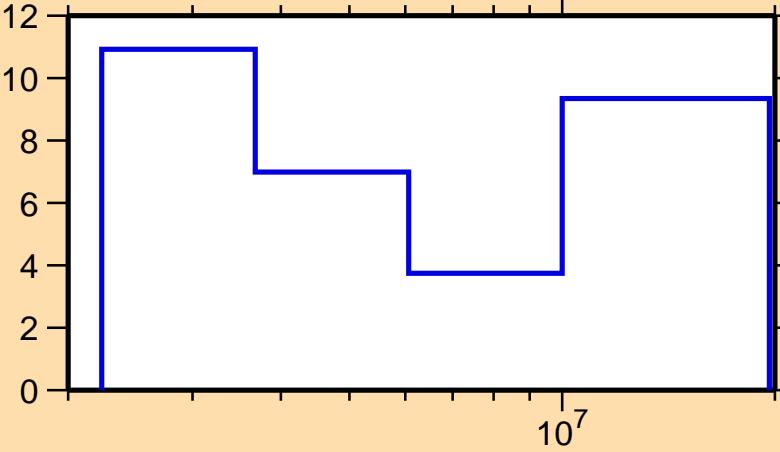


$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(\text{n},\gamma)$

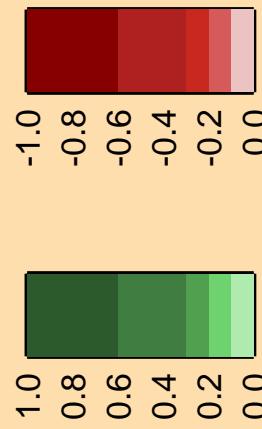
Ordinate scale is %  
relative standard deviation.

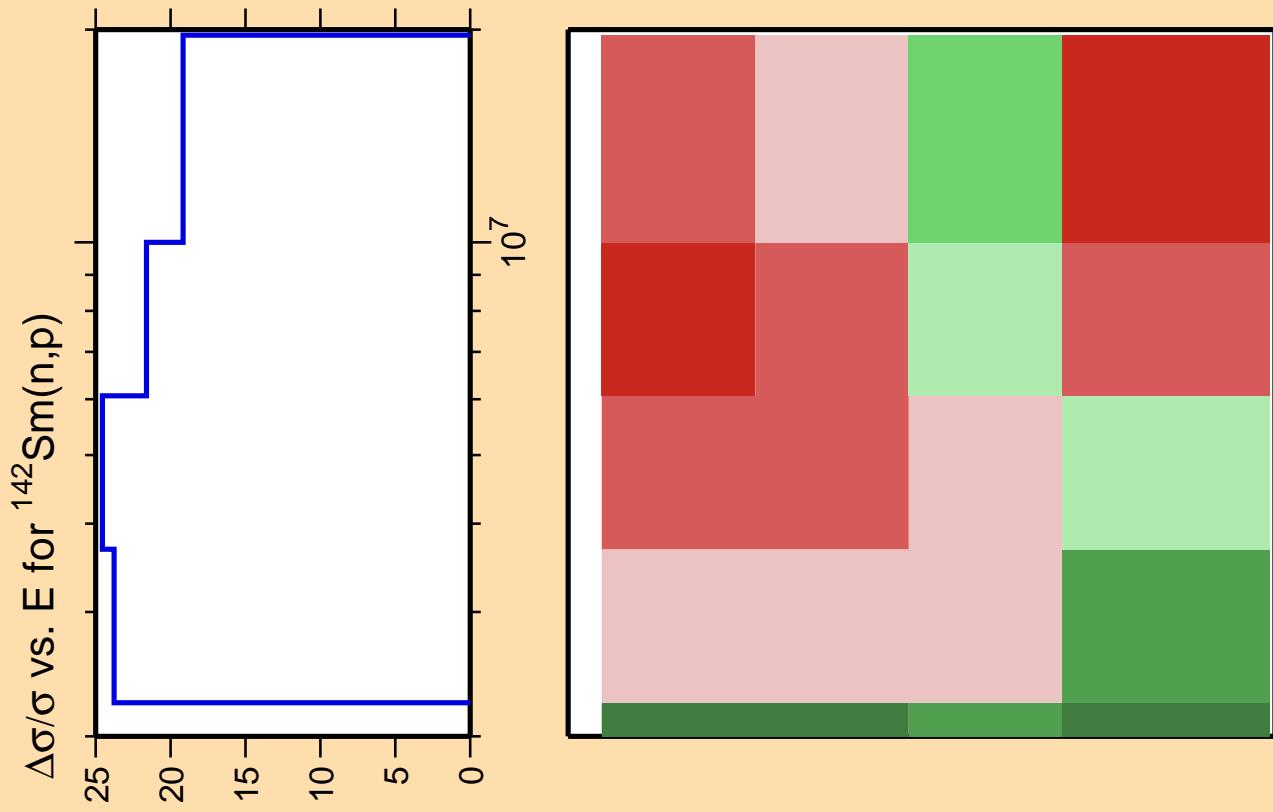
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(\text{n,ncont.})$

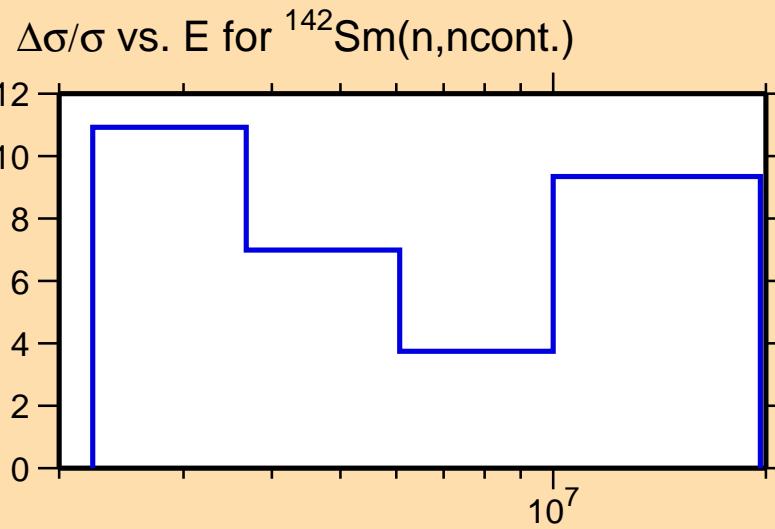


Correlation Matrix

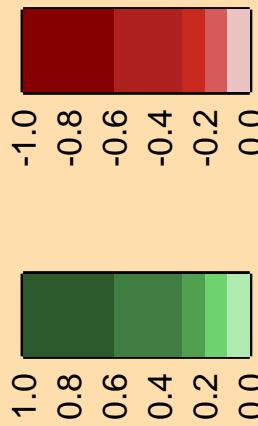


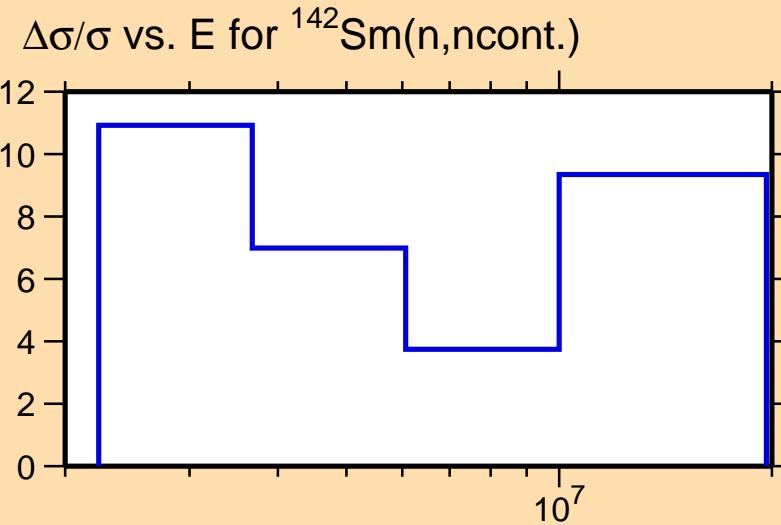
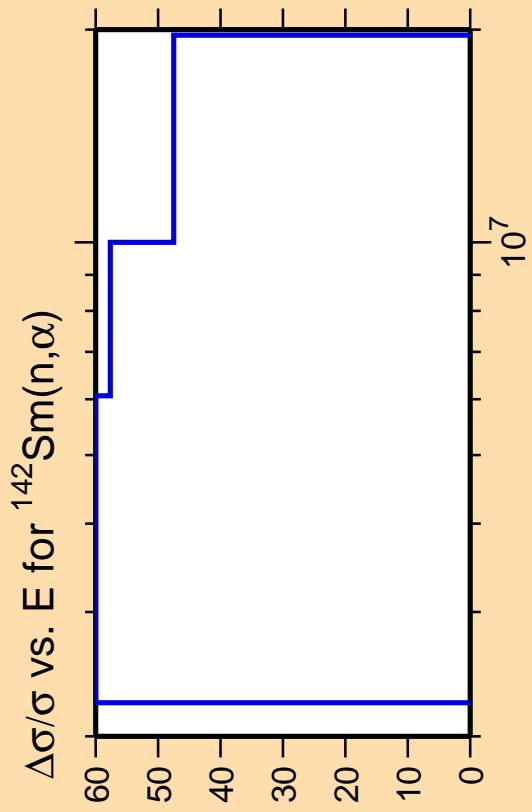


Ordinate scale is %  
relative standard deviation.  
Abscissa scales are energy (eV).



Correlation Matrix

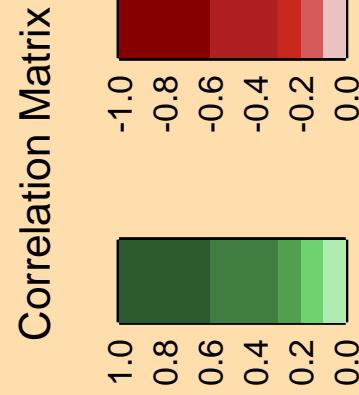




Ordinate scale is %  
relative standard deviation.

Abscissa scales are energy (eV).

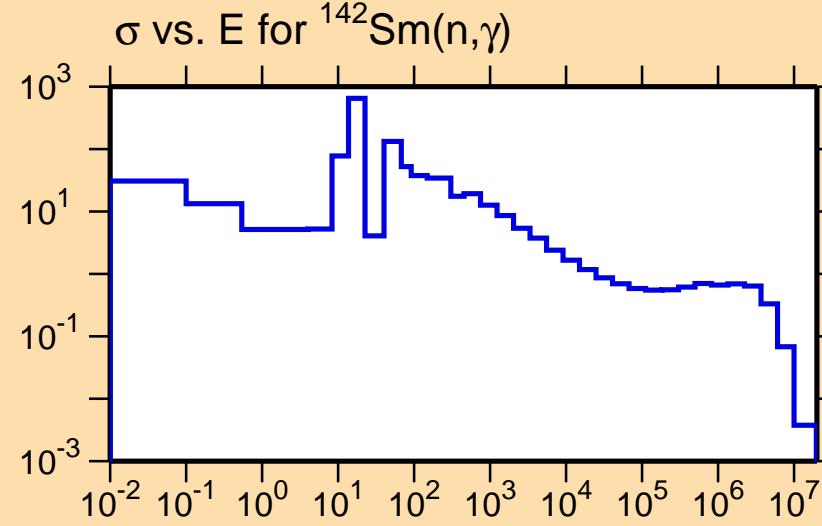
Warning: some uncertainty  
data were suppressed.



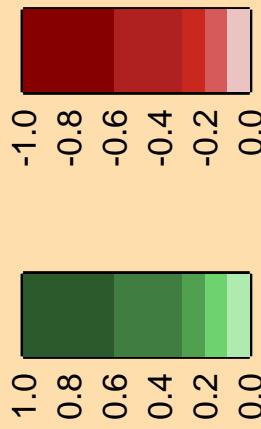
$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\gamma)$

Ordinate scales are % relative  
standard deviation and barns.

Abscissa scales are energy (eV).



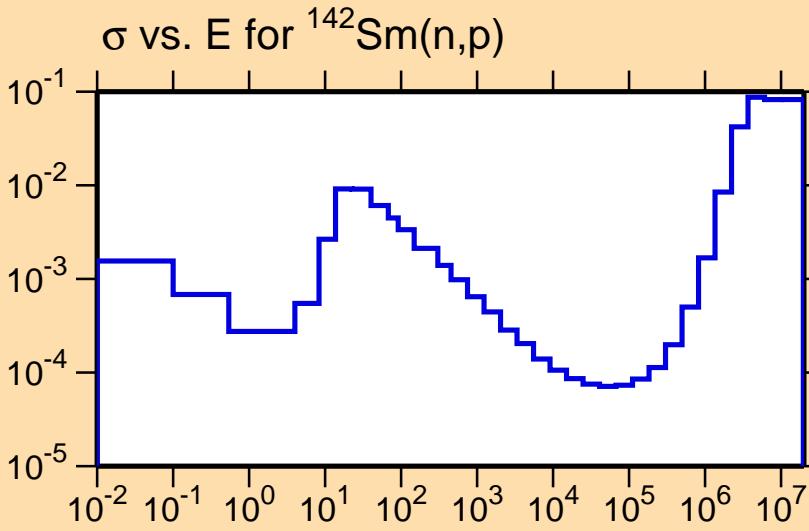
Correlation Matrix



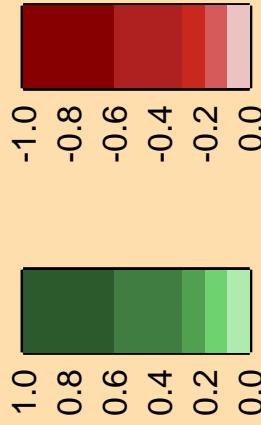
$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,p)$

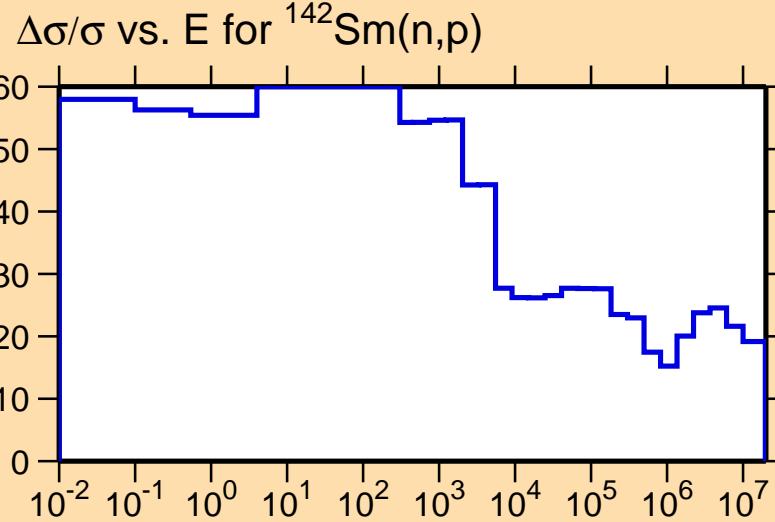
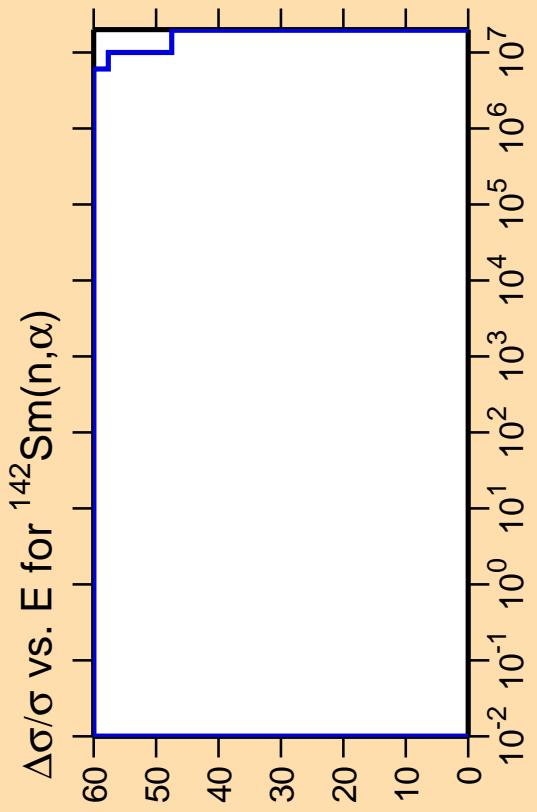
Ordinate scales are % relative  
standard deviation and barns.

Abscissa scales are energy (eV).  
Warning: some uncertainty  
data were suppressed.



Correlation Matrix

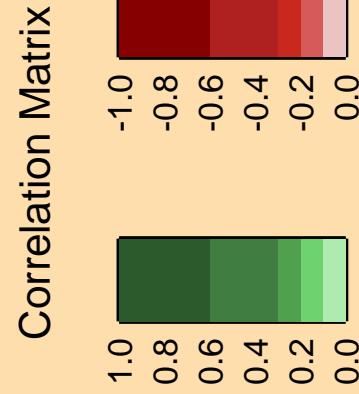




Ordinate scale is %  
relative standard deviation.

Abscissa scales are energy (eV).

Warning: some uncertainty  
data were suppressed.



$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,d)$

10<sup>2</sup>  
10<sup>1</sup>  
10<sup>0</sup>  
10<sup>-1</sup>

Ordinate scales are % relative  
standard deviation and barns.

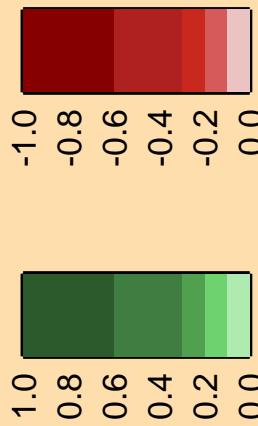
Abscissa scales are energy (eV).  
Warning: some uncertainty  
data were suppressed.

10<sup>-2</sup>  
10<sup>-4</sup>  
10<sup>-6</sup>  
10<sup>-8</sup>  
10<sup>-10</sup>

$\sigma$  vs. E for  $^{142}\text{Sm}(n,d)$

10<sup>7</sup>

Correlation Matrix



$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,t)$

10<sup>1</sup>  
10<sup>0</sup>  
10<sup>-1</sup>

Ordinate scales are % relative  
standard deviation and barns.

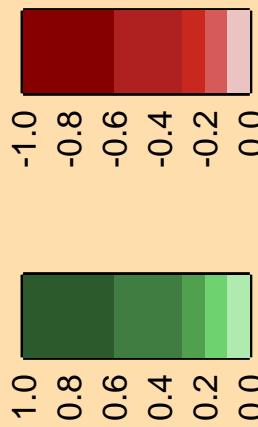
Abscissa scales are energy (eV).  
Warning: some uncertainty  
data were suppressed.

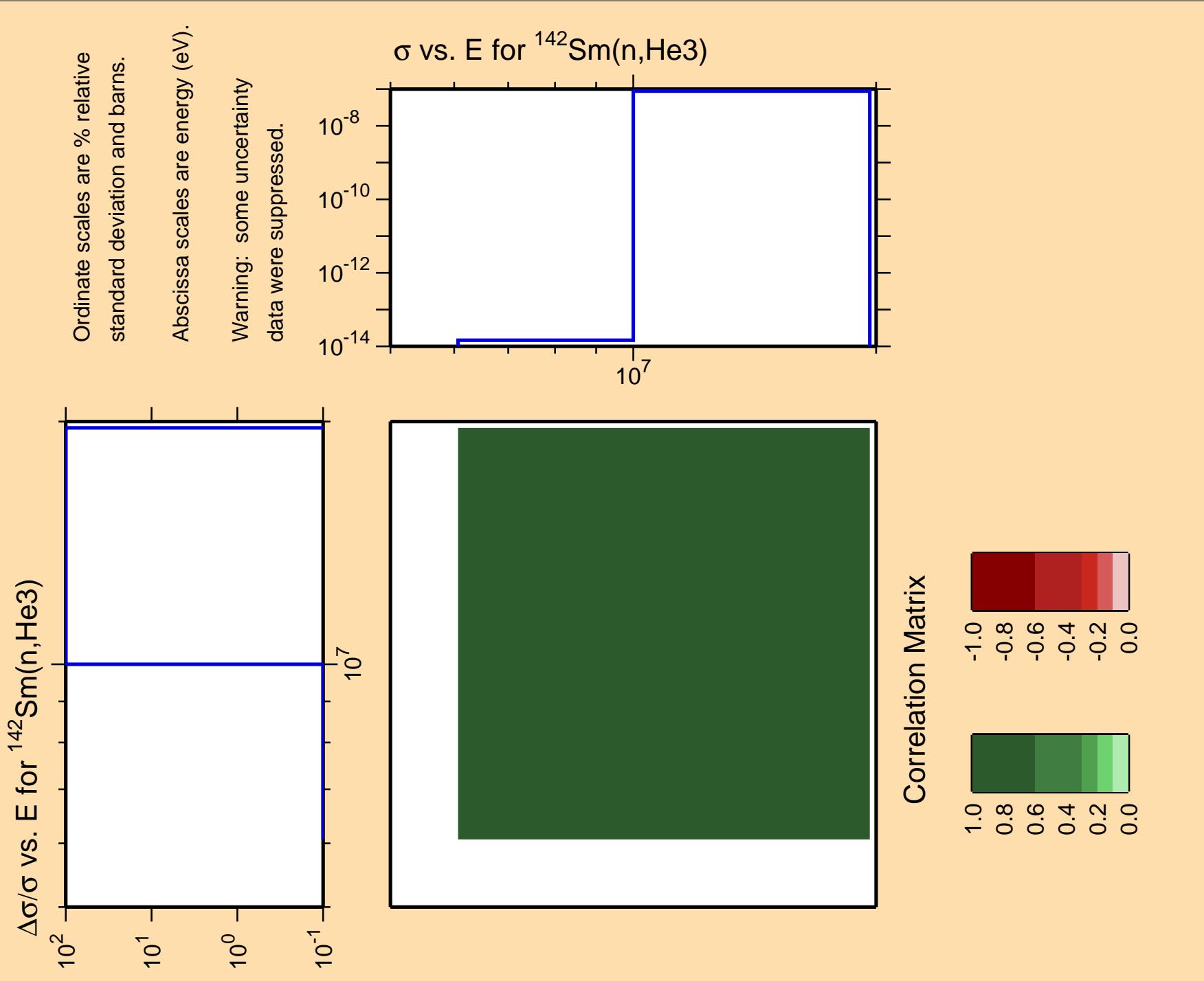
10<sup>-4</sup>  
10<sup>-6</sup>  
10<sup>-8</sup>  
10<sup>-10</sup>  
10<sup>-12</sup>

$\sigma$  vs. E for  $^{142}\text{Sm}(n,t)$

10<sup>7</sup>

Correlation Matrix



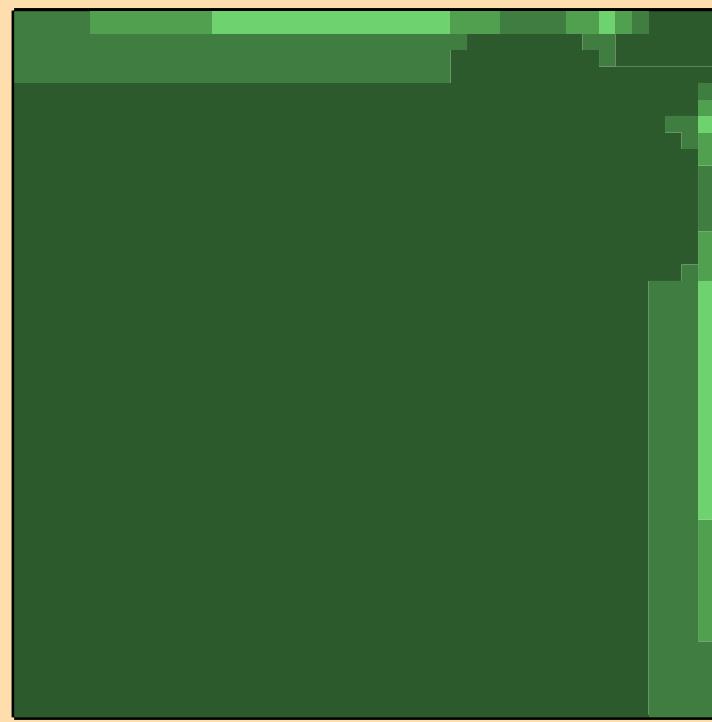
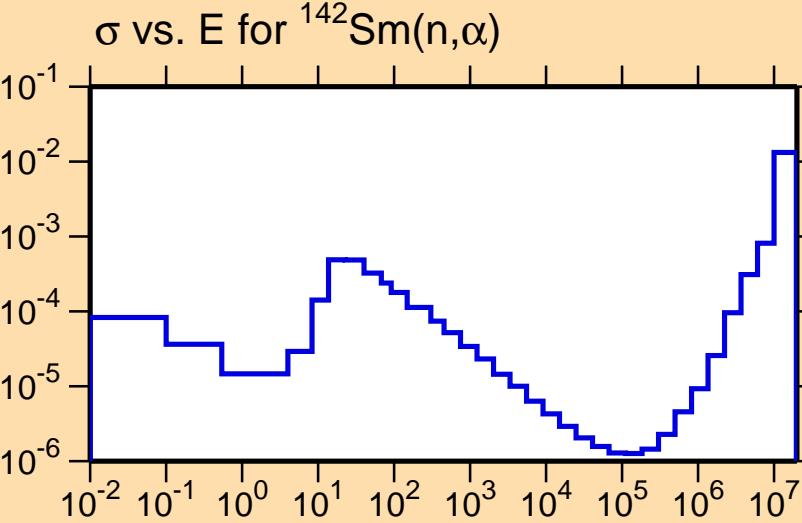


$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(n,\alpha)$

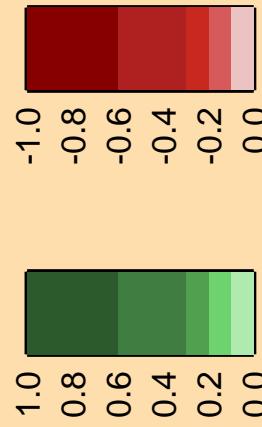
Ordinate scales are % relative  
standard deviation and barns.

Abscissa scales are energy (eV).

Warning: some uncertainty  
data were suppressed.



Correlation Matrix



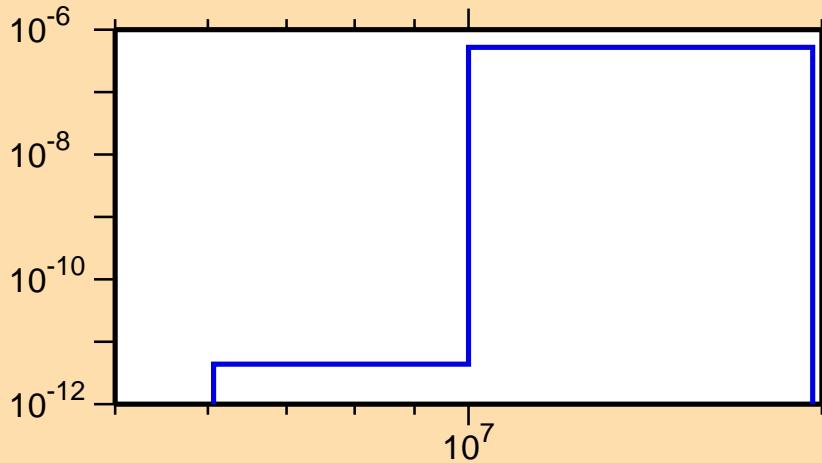
$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(\text{n},\text{p}\alpha)$

Ordinate scales are % relative  
standard deviation and barns.

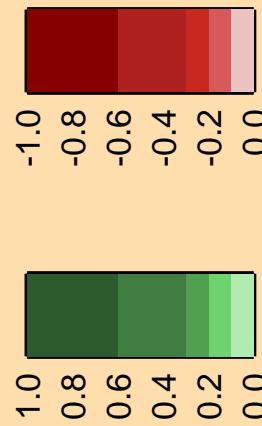
Abscissa scales are energy (eV).

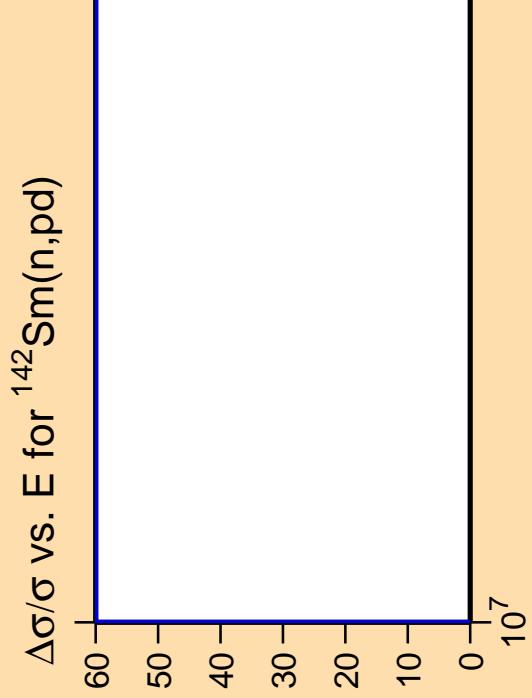
10<sup>2</sup>  
10<sup>1</sup>  
10<sup>0</sup>  
10<sup>-1</sup>

$\sigma$  vs. E for  $^{142}\text{Sm}(\text{n},\text{p}\alpha)$



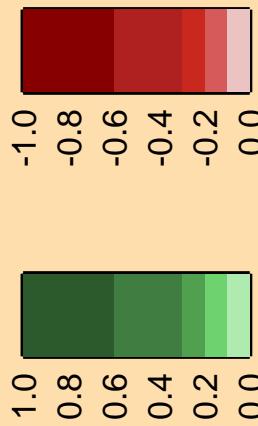
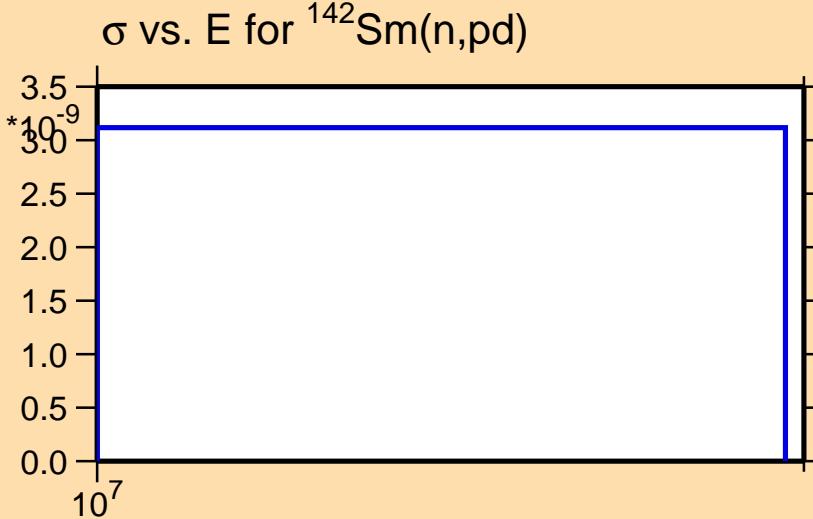
Correlation Matrix





Ordinate scales are % relative standard deviation and barns.

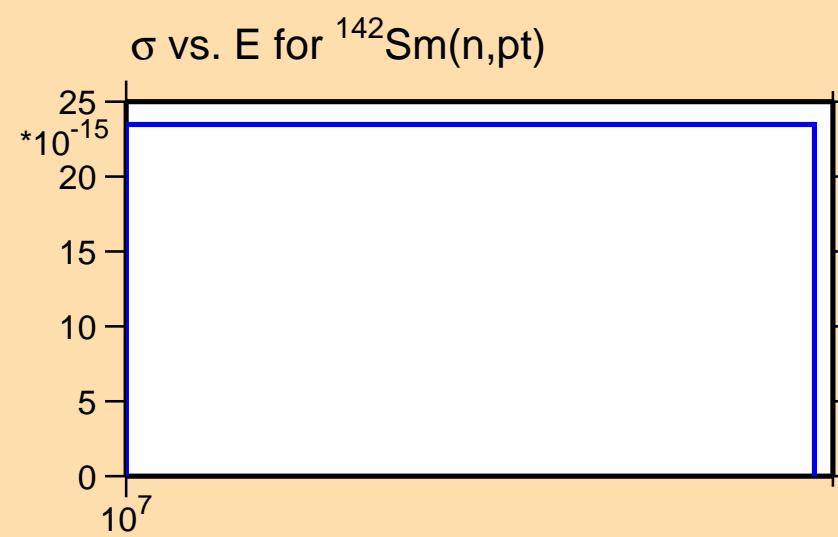
Abscissa scales are energy (eV).  
Warning: some uncertainty data were suppressed.



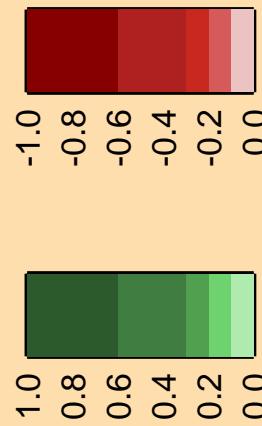
$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(\text{n},\text{pt})$

\* $10^{-3}$   
50  
40  
30  
20  
10  
0  
 $10^7$

Ordinate scales are % relative  
standard deviation and barns.  
Abscissa scales are energy (eV).



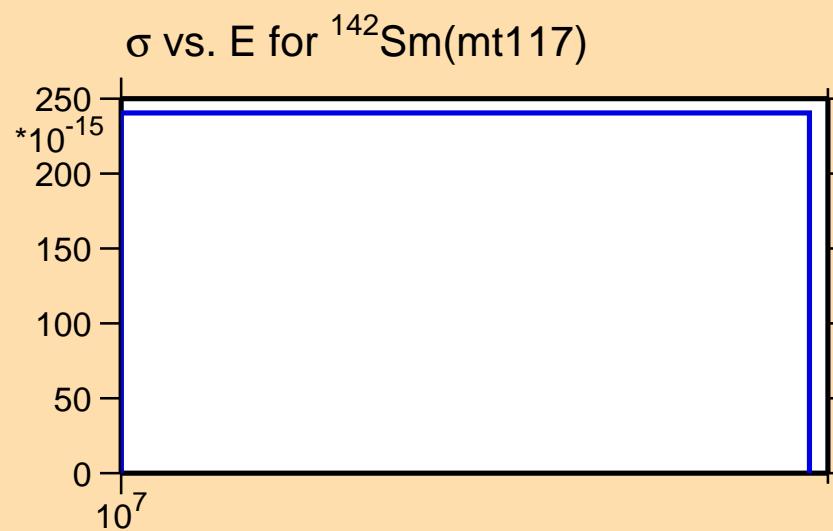
Correlation Matrix



$\Delta\sigma/\sigma$  vs. E for  $^{142}\text{Sm}(\text{mt}117)$

\* $10^{-3}$   
350  
250  
200  
150  
100  
50  
0

Abscissa scales are energy (eV).  
Ordinate scales are % relative standard deviation and barns.



Correlation Matrix

