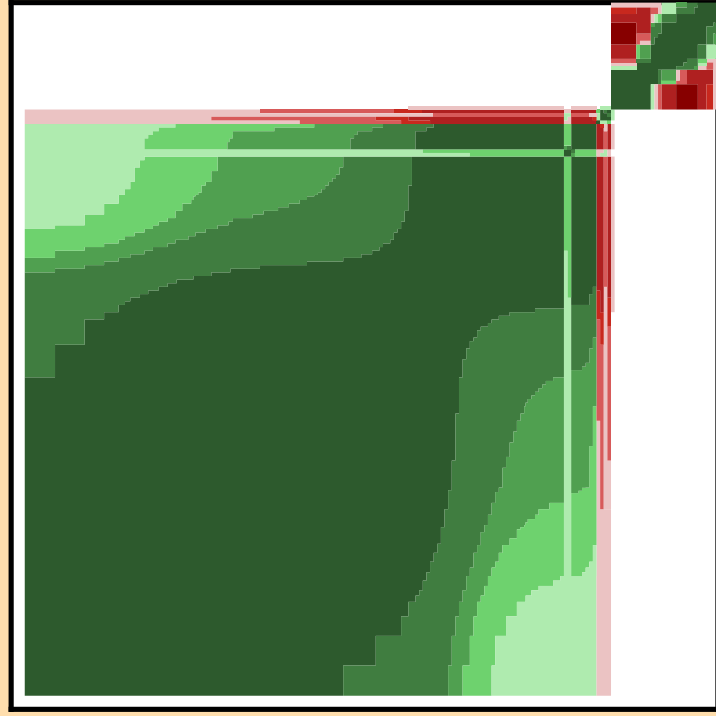
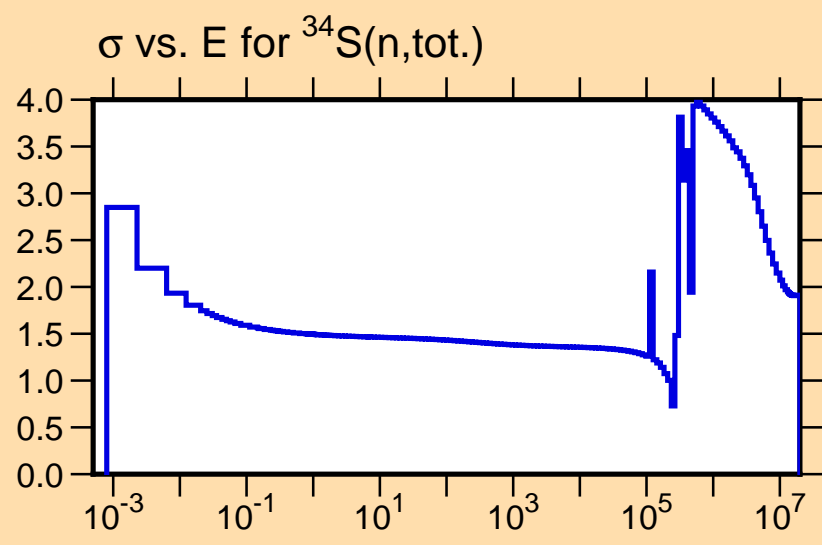


Ordinate scales are % relative standard deviation and barns.

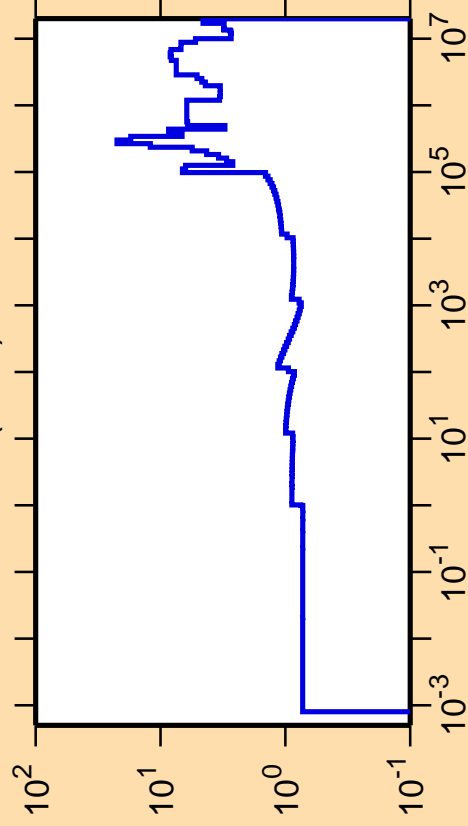
Abscissa scales are energy (eV).



Correlation Matrix



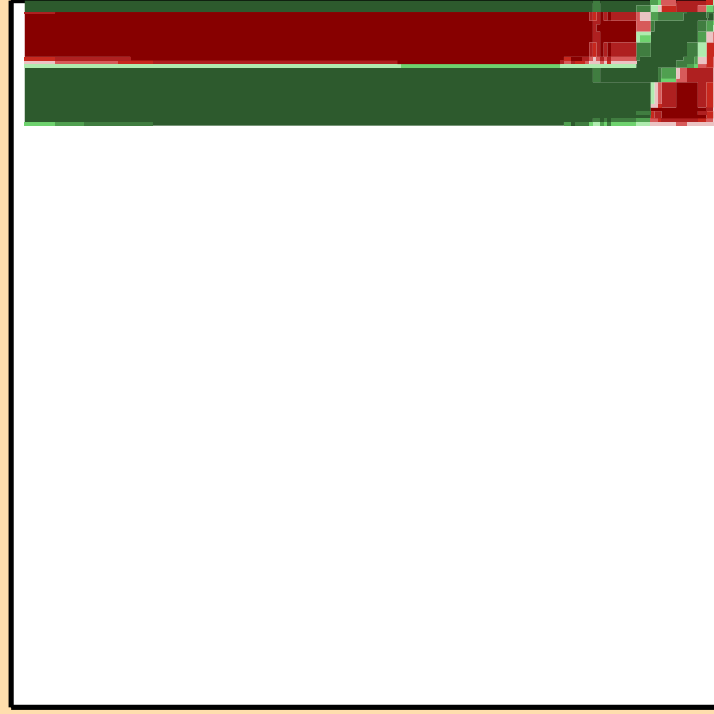
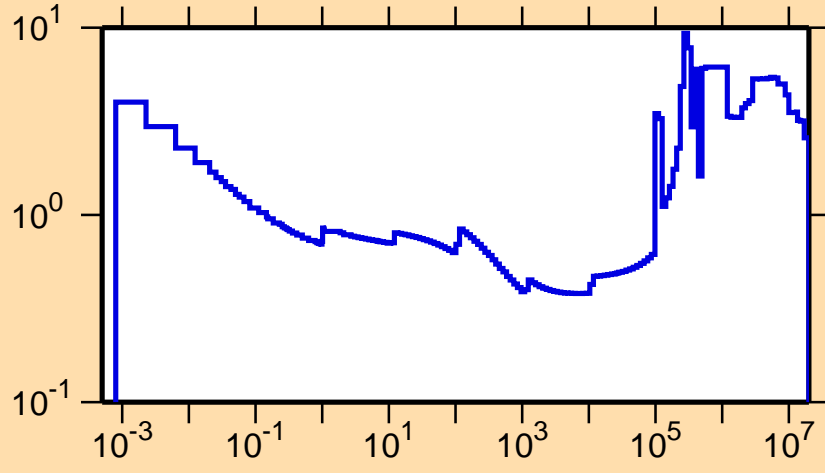
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{el.})$



Ordinate scale is %
relative standard deviation.

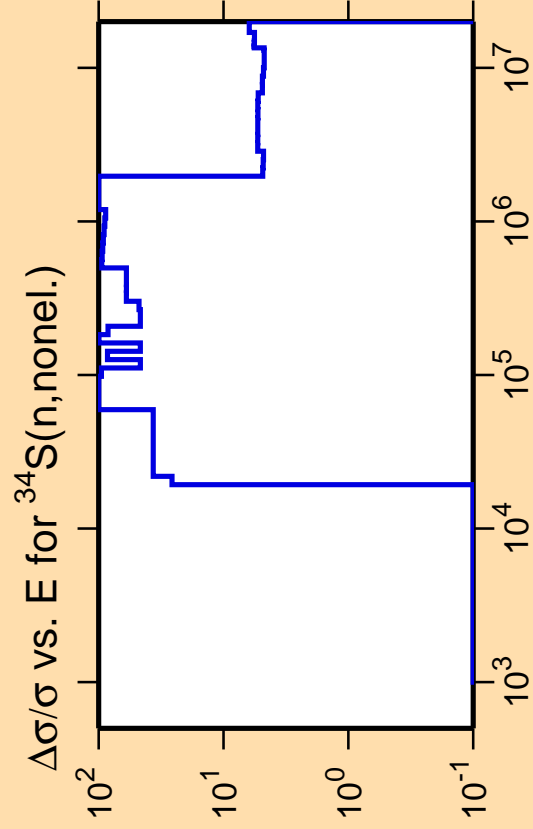
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{tot.})$



Correlation Matrix



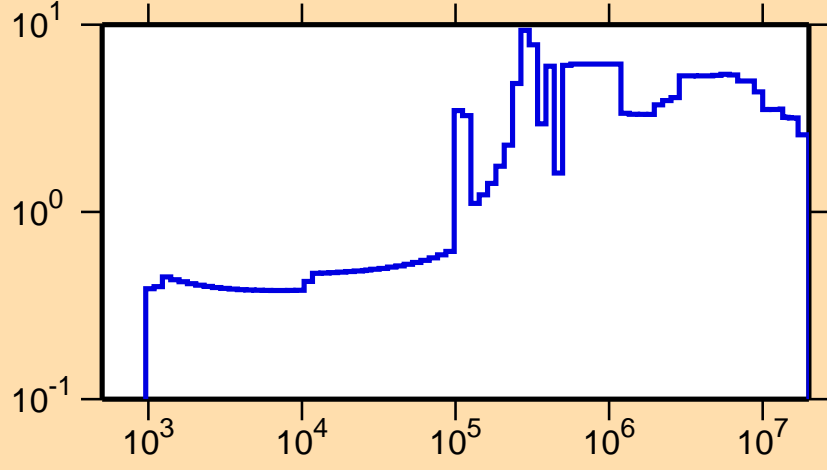


Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.

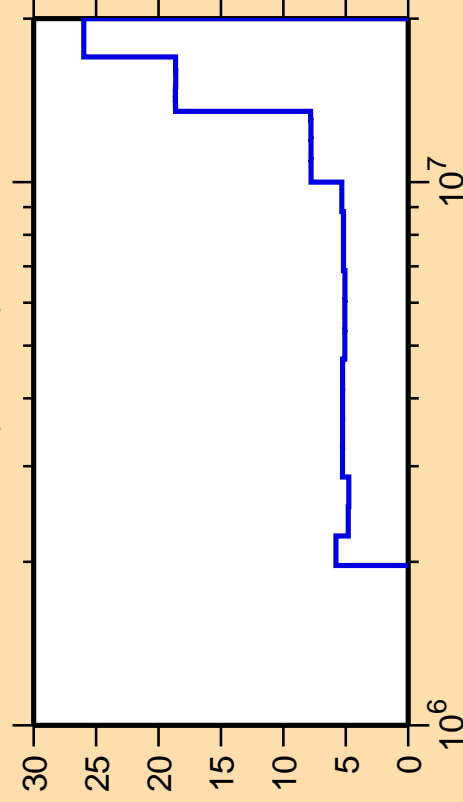
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{tot.})$



Correlation Matrix



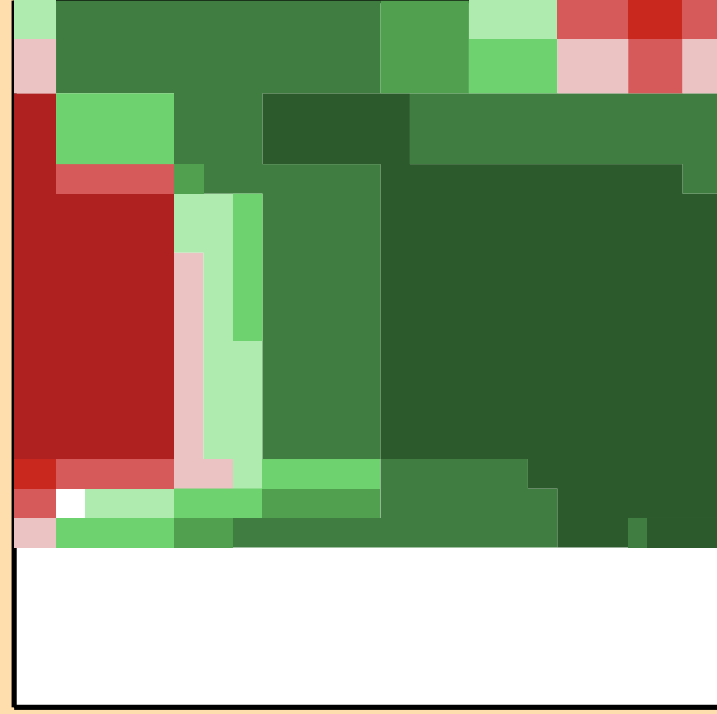
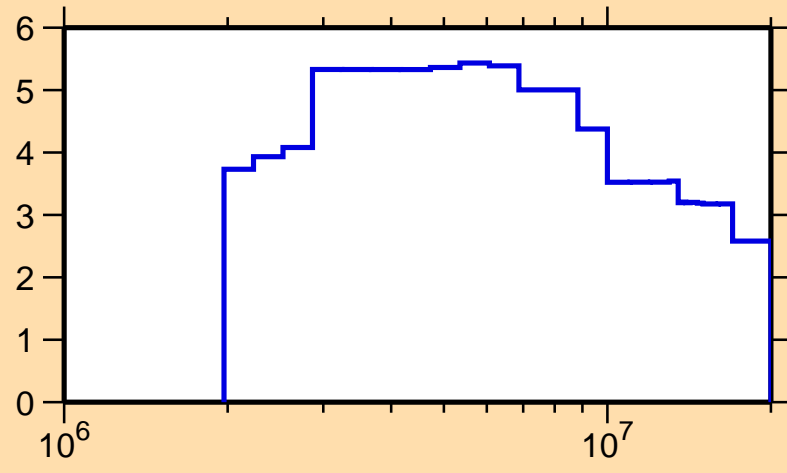
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{inel.})$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

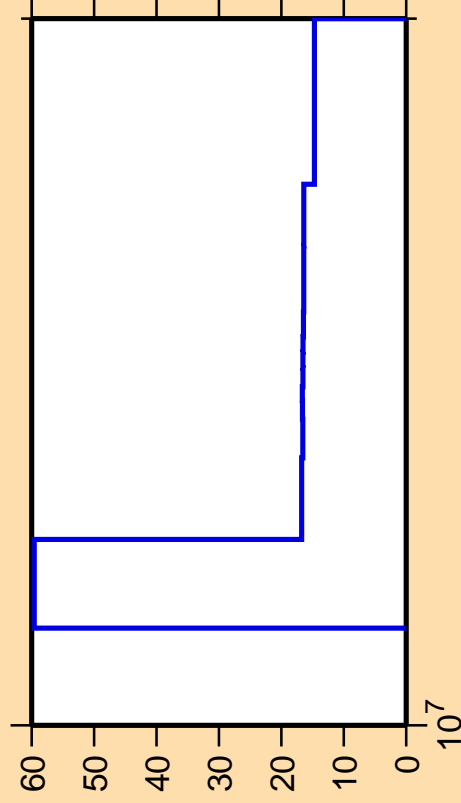
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{tot.})$



Correlation Matrix



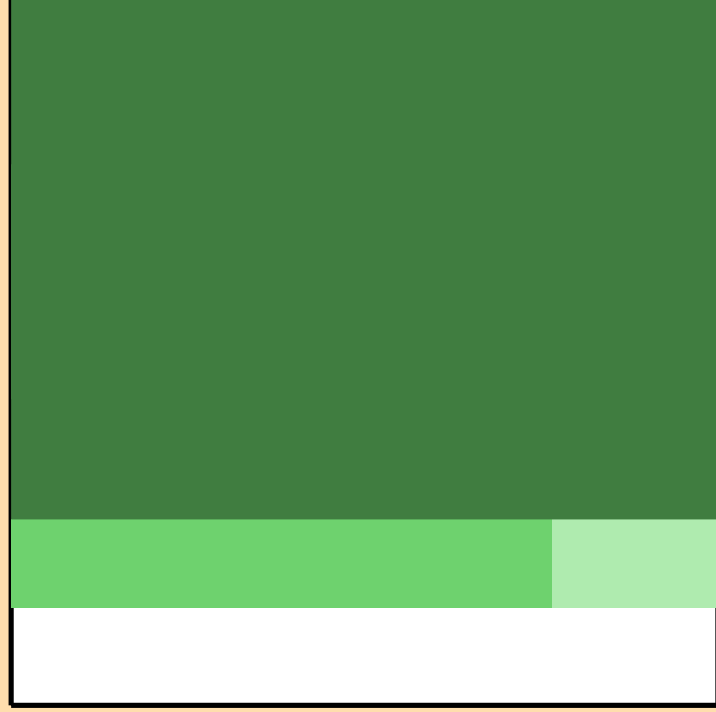
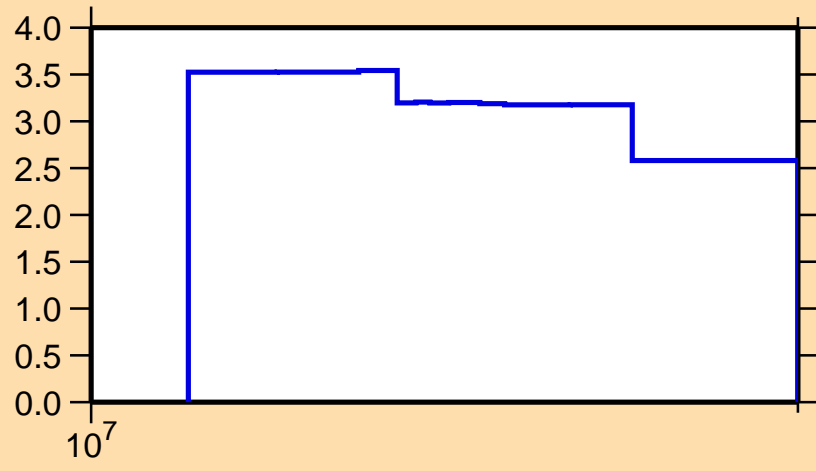
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,2n)$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

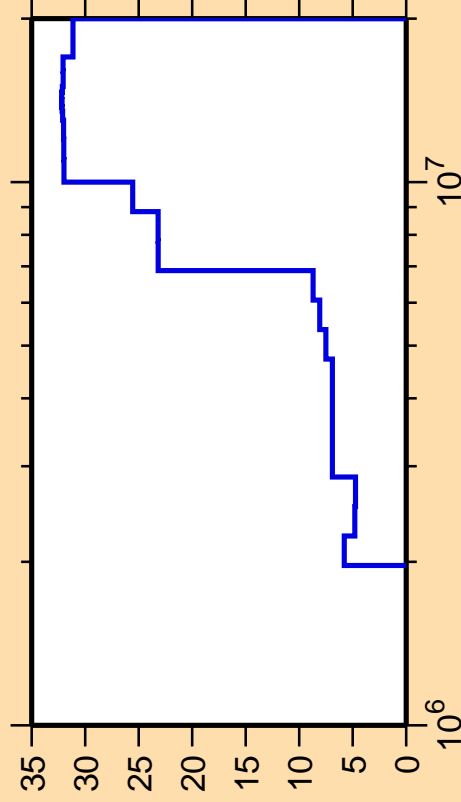
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{tot.})$



Correlation Matrix



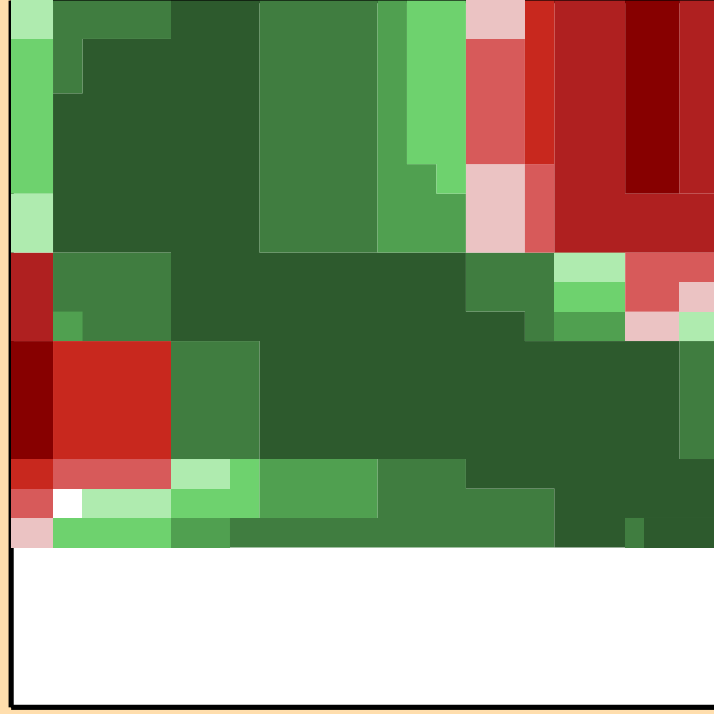
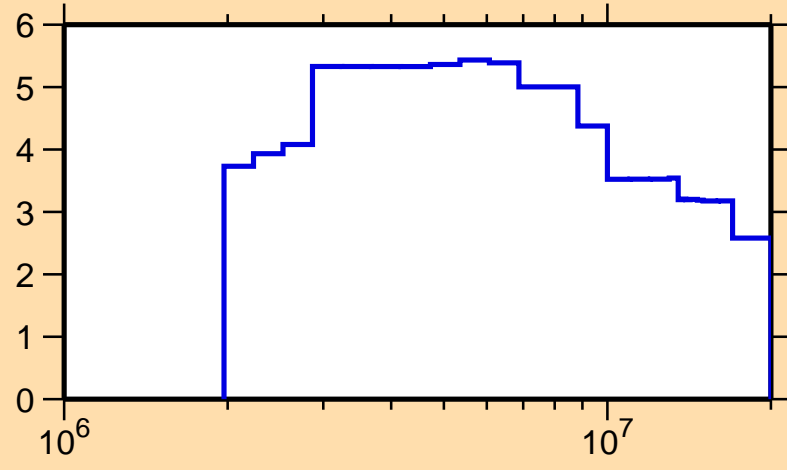
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n_1)$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

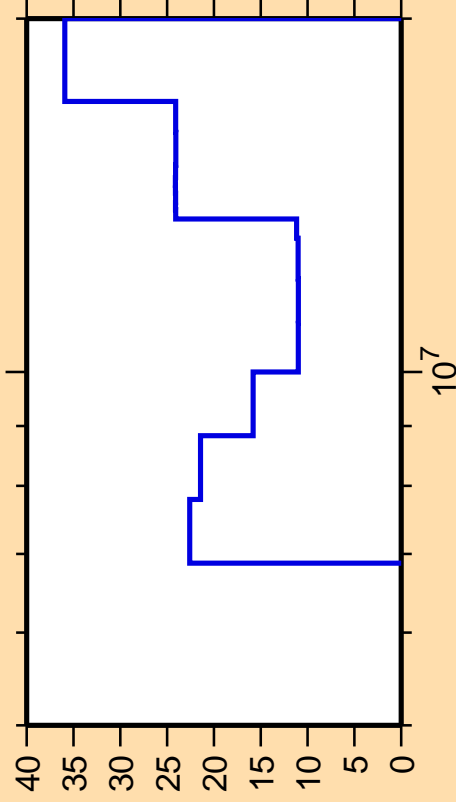
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{tot.})$



Correlation Matrix



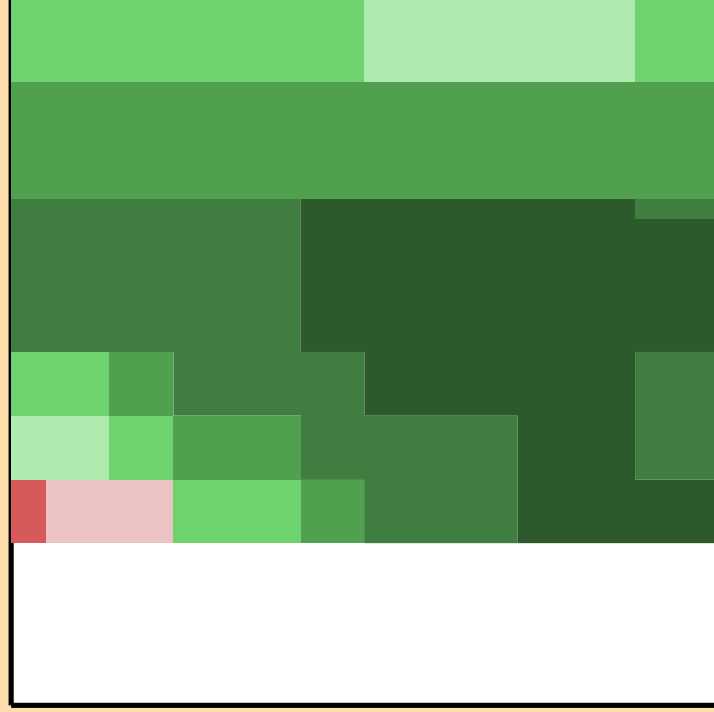
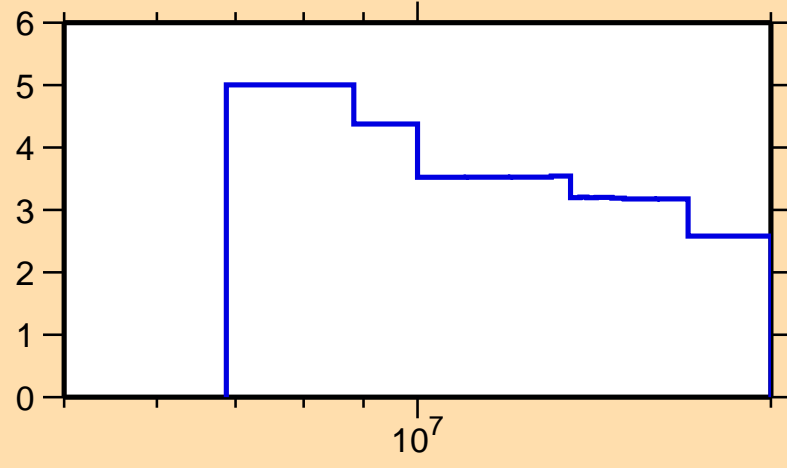
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n\text{cont.})$



Ordinate scale is %
relative standard deviation.

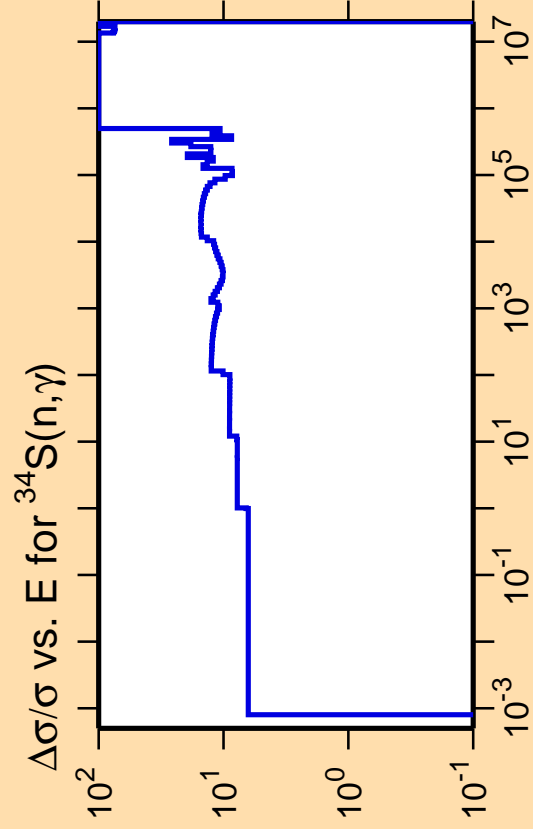
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{tot.})$



Correlation Matrix



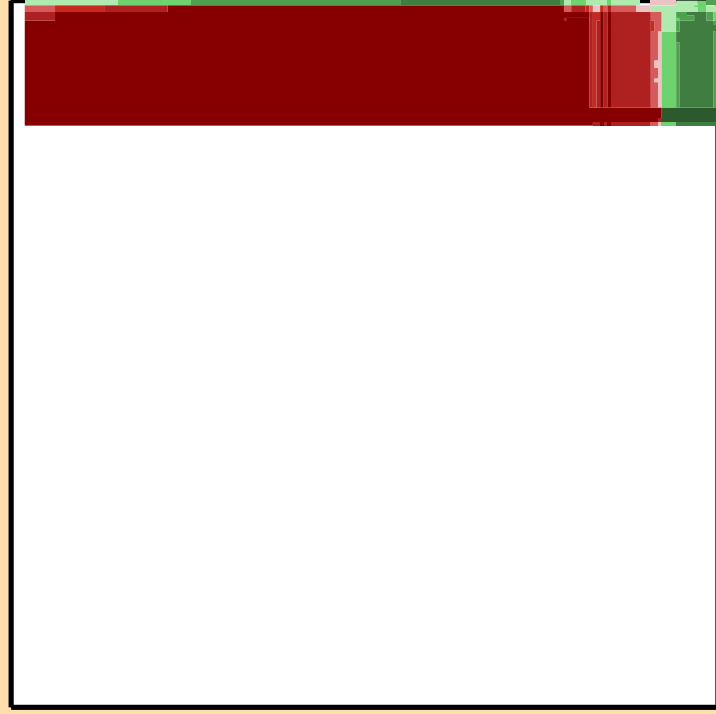
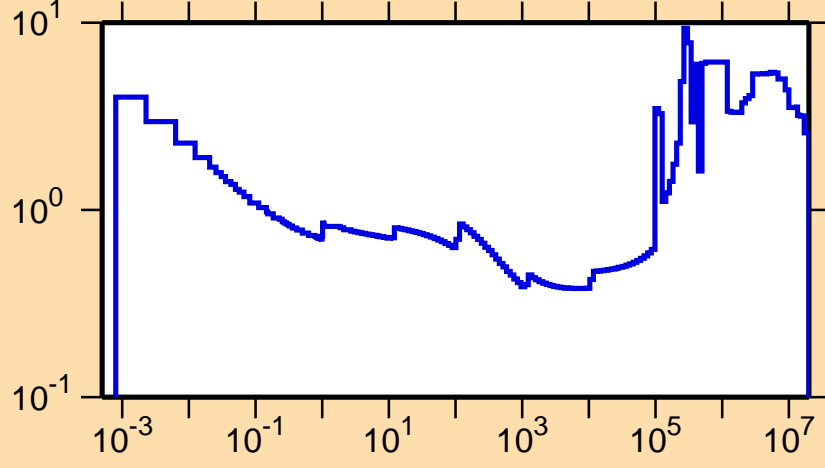


Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.

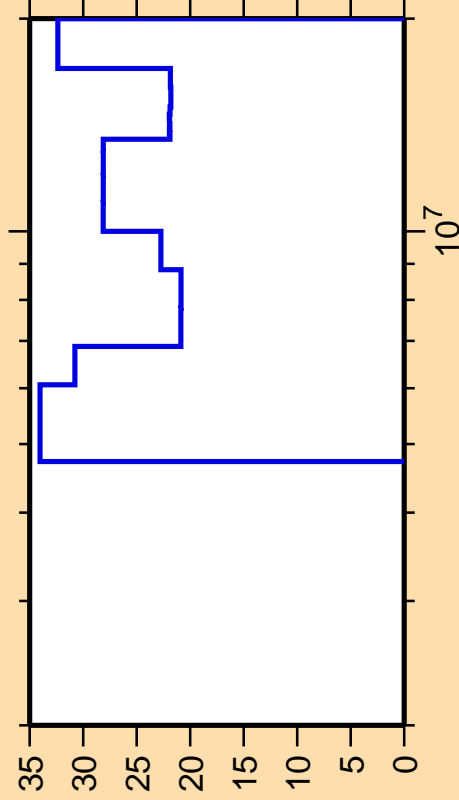
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{tot.})$



Correlation Matrix



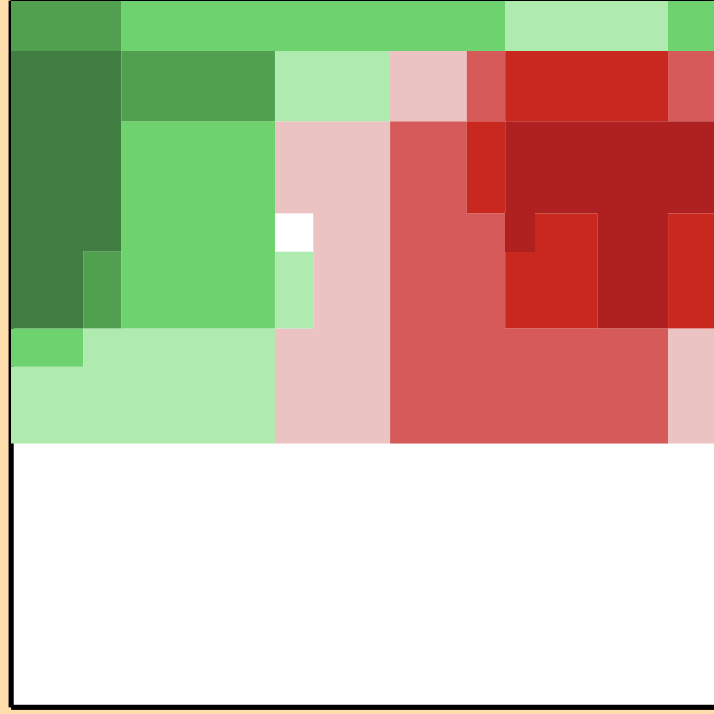
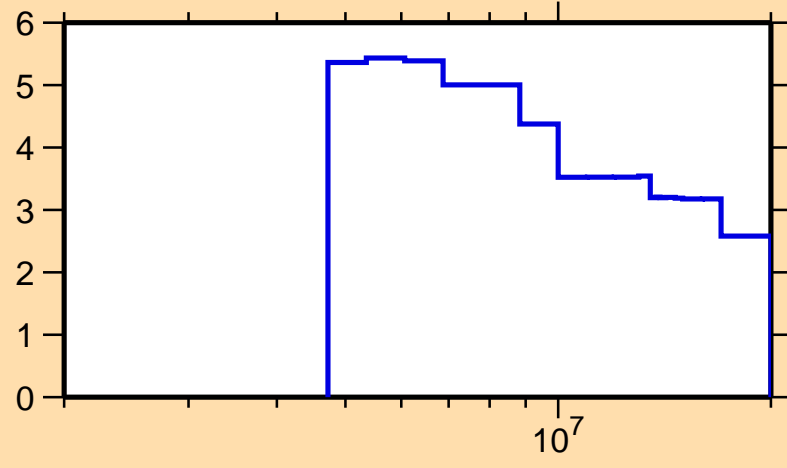
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,p)$



Ordinate scale is %
relative standard deviation.

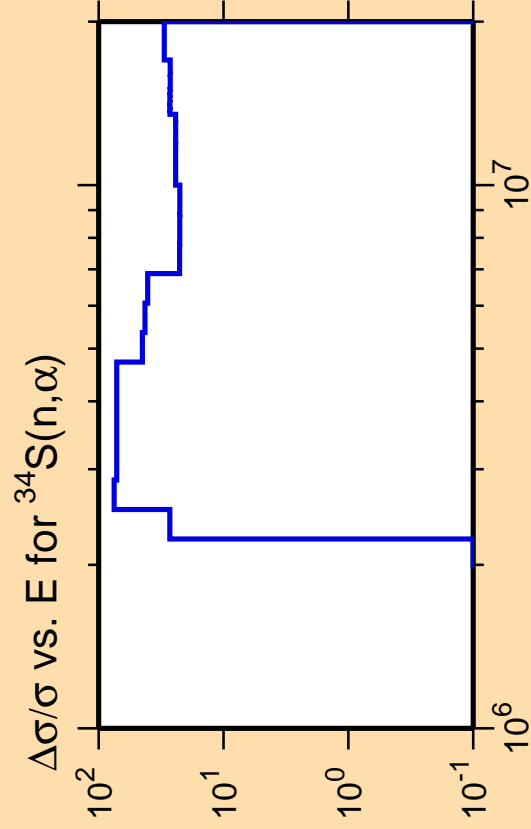
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{tot.})$



Correlation Matrix



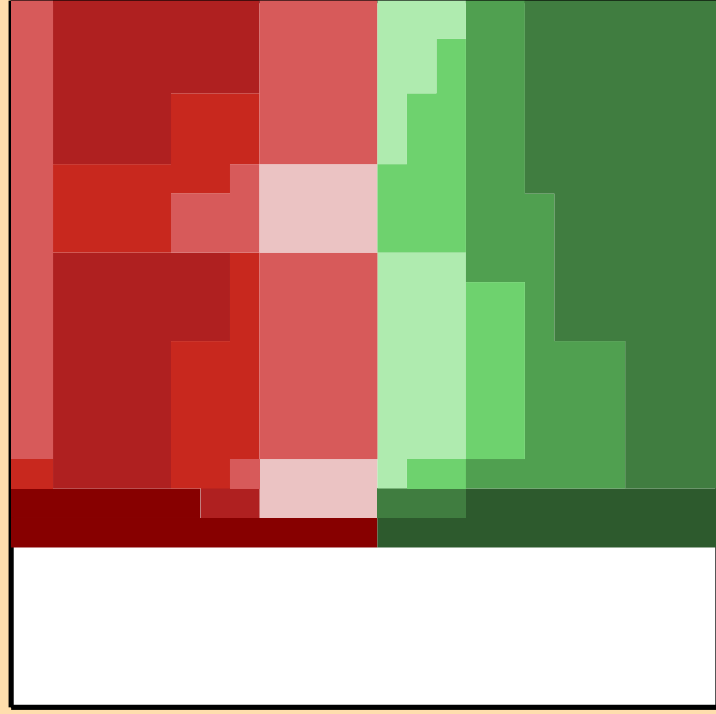
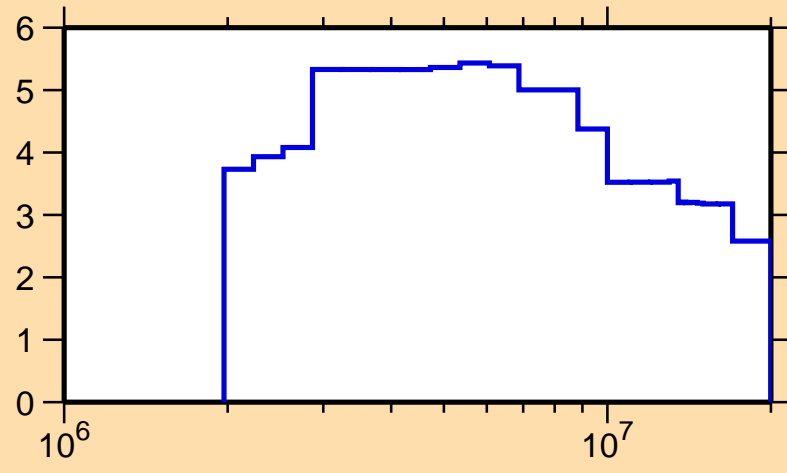


Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.

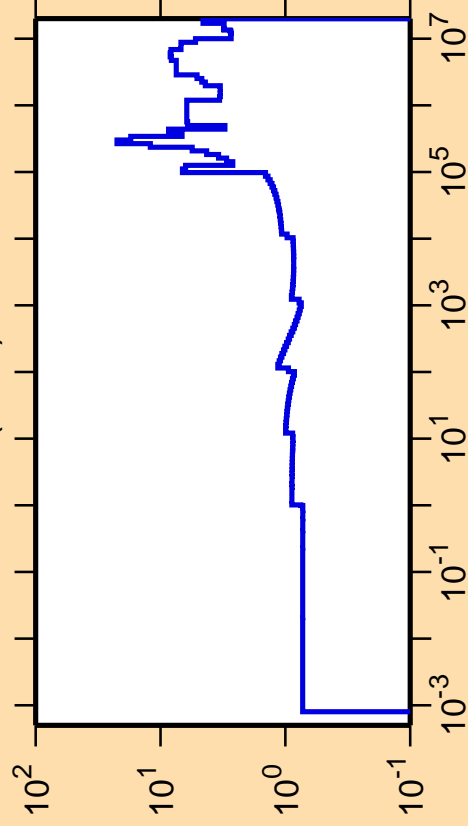
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{tot.})$



Correlation Matrix



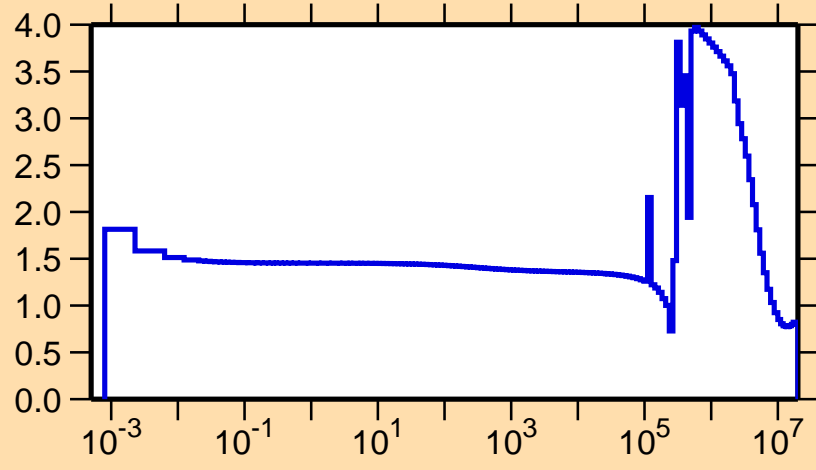
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{el.})$



Ordinate scales are % relative standard deviation and barns.

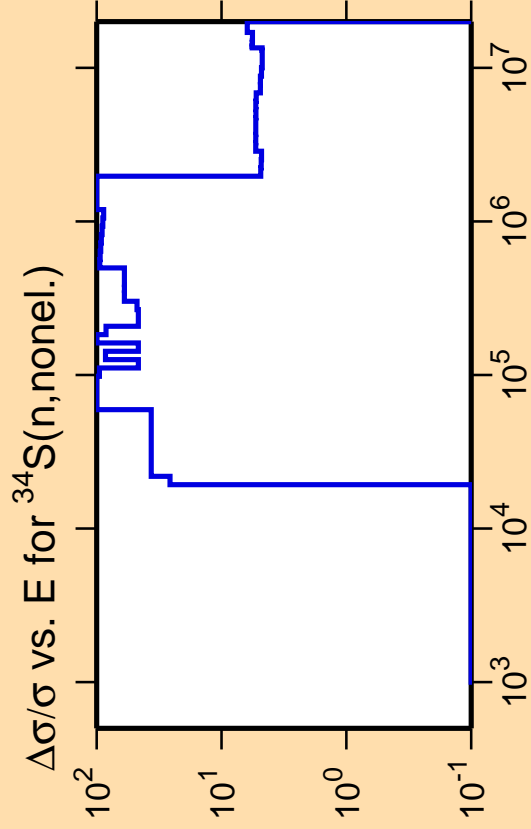
Abscissa scales are energy (eV).

σ vs. E for $^{34}\text{S}(n,\text{el.})$



Correlation Matrix



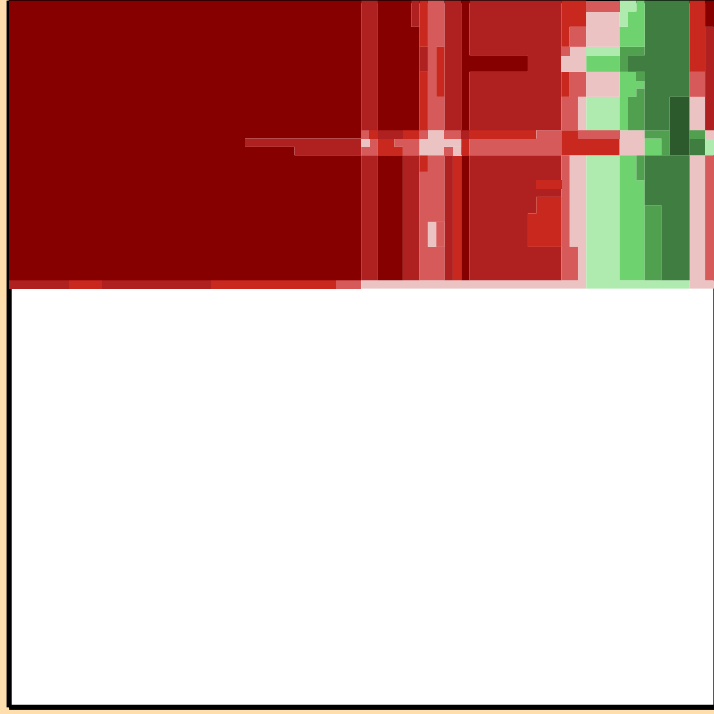
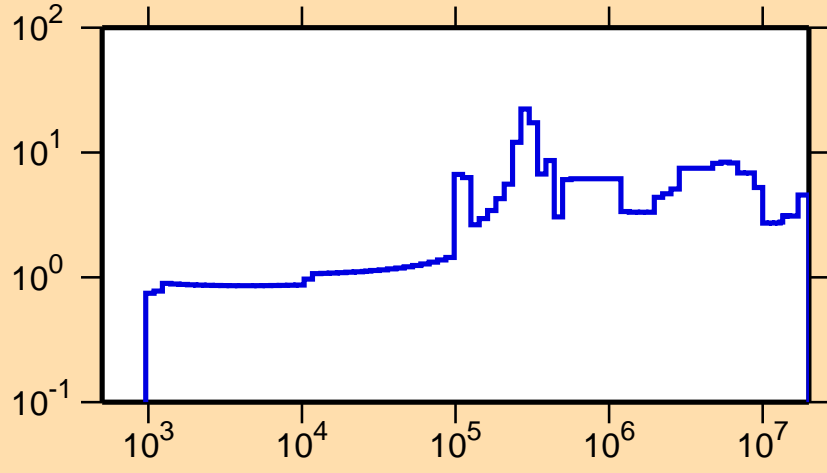


Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.

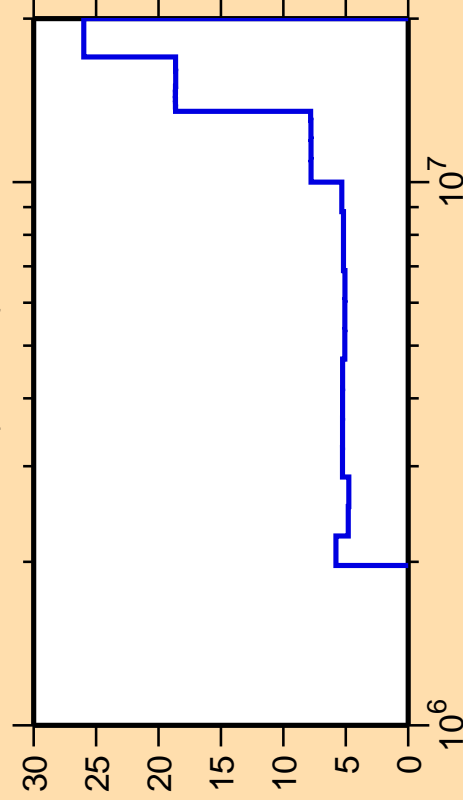
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{el.})$



Correlation Matrix



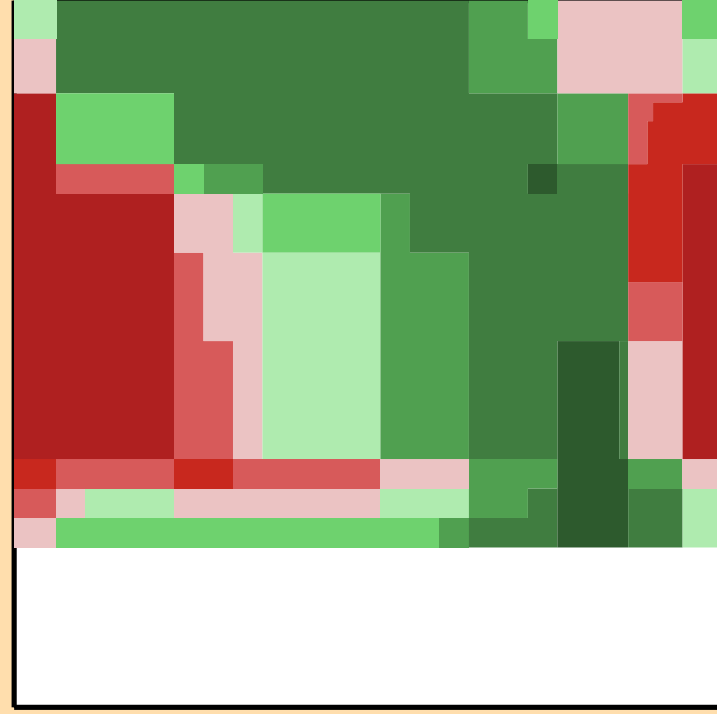
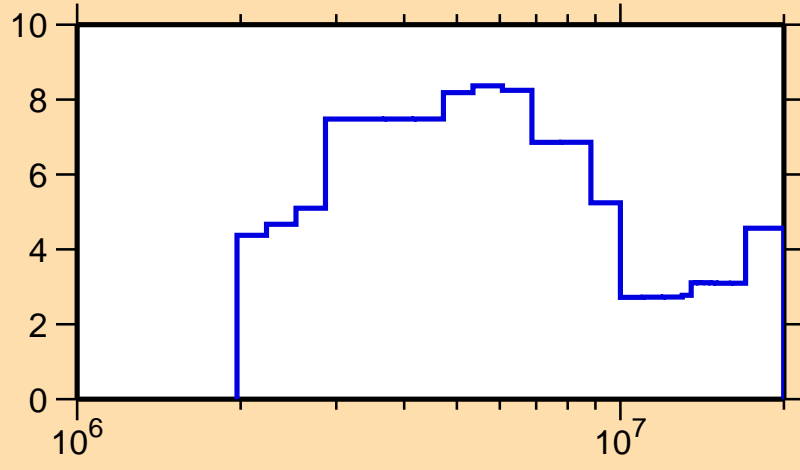
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{inel.})$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

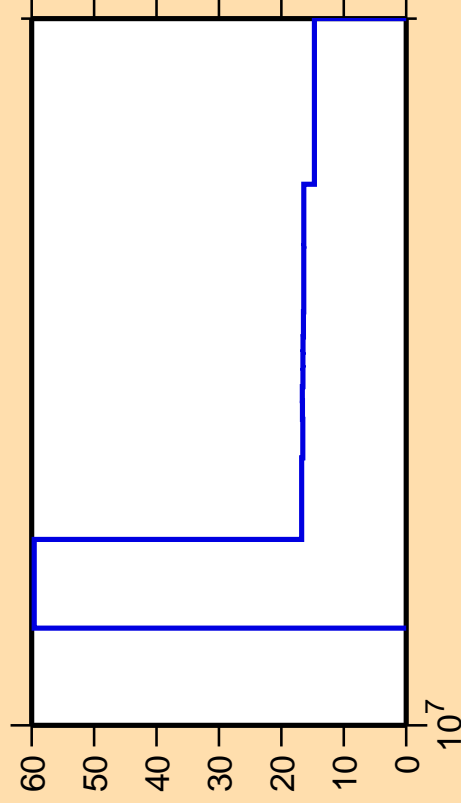
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{el.})$



Correlation Matrix



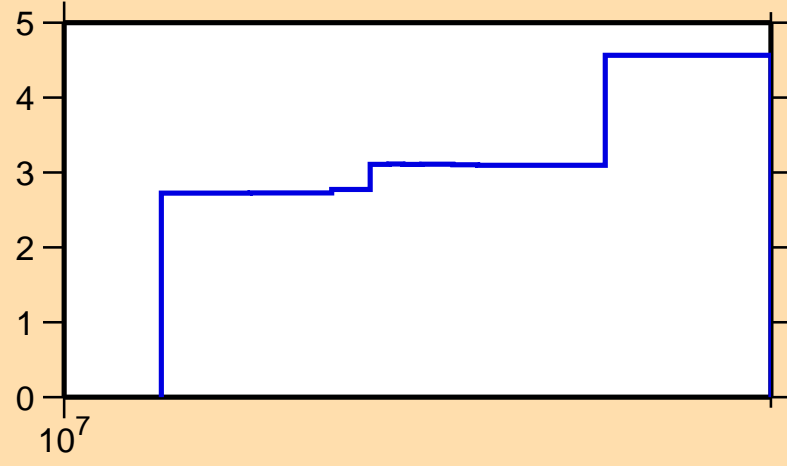
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,2n)$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

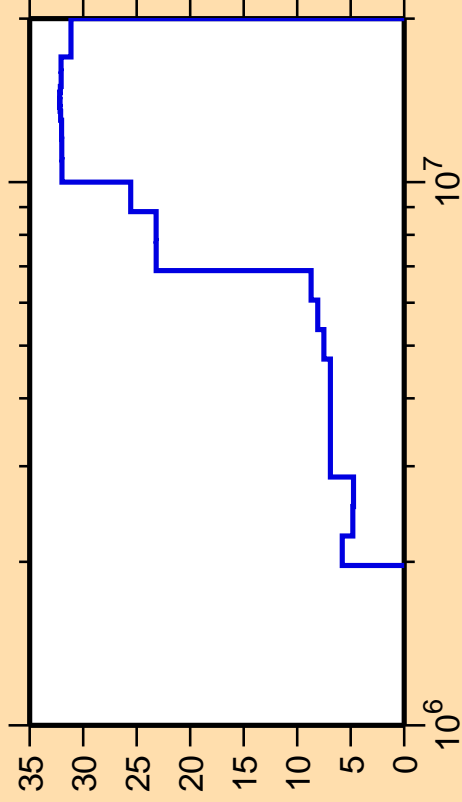
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{el.})$



Correlation Matrix



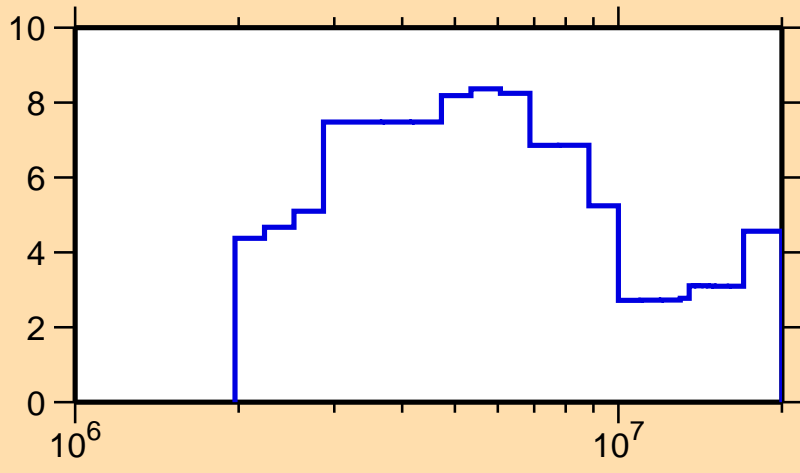
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n_1)$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

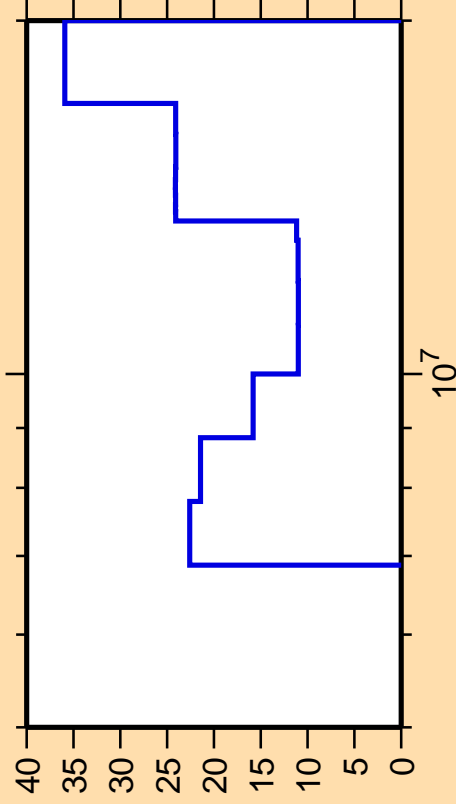
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{el.})$



Correlation Matrix



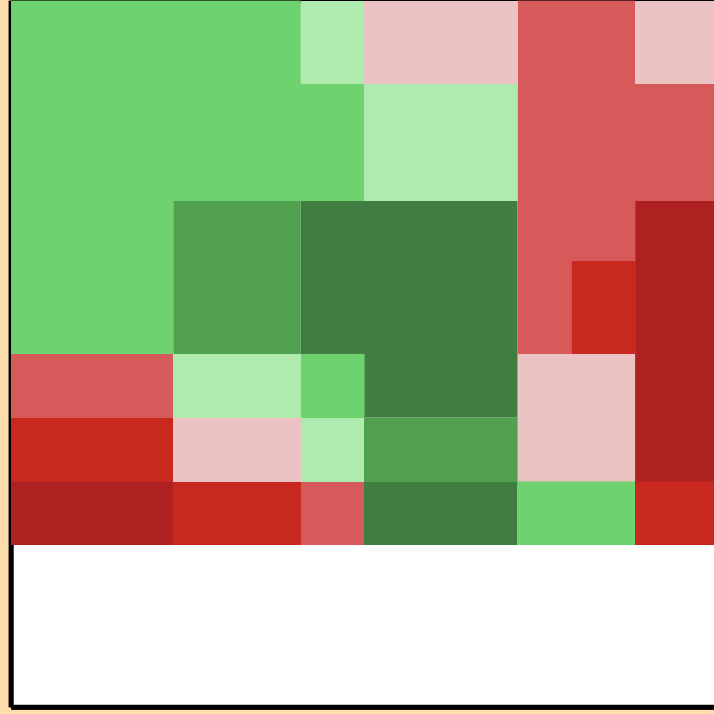
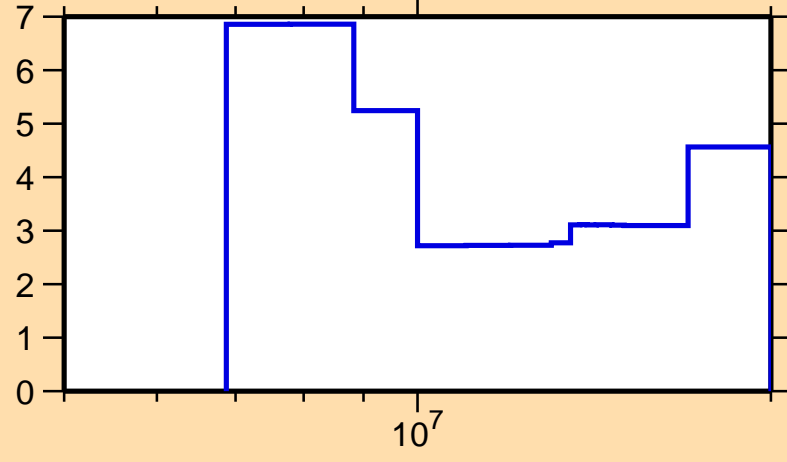
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n\text{cont.})$



Ordinate scale is %
relative standard deviation.

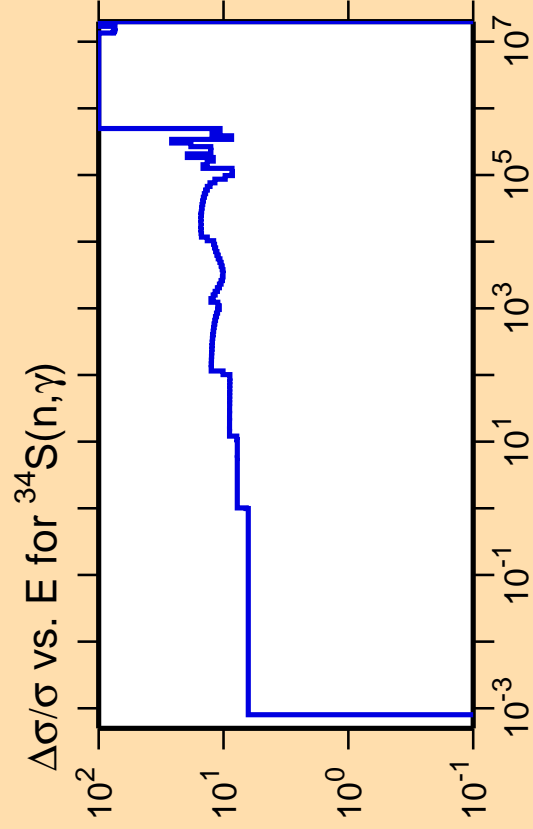
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{el.})$



Correlation Matrix



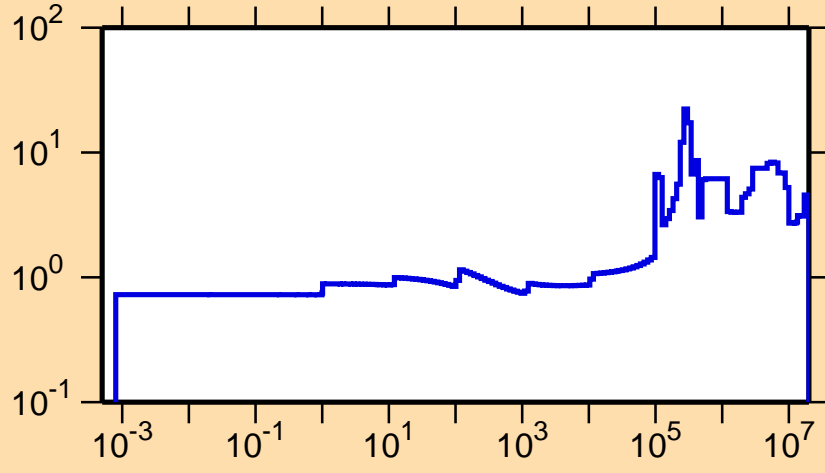


Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

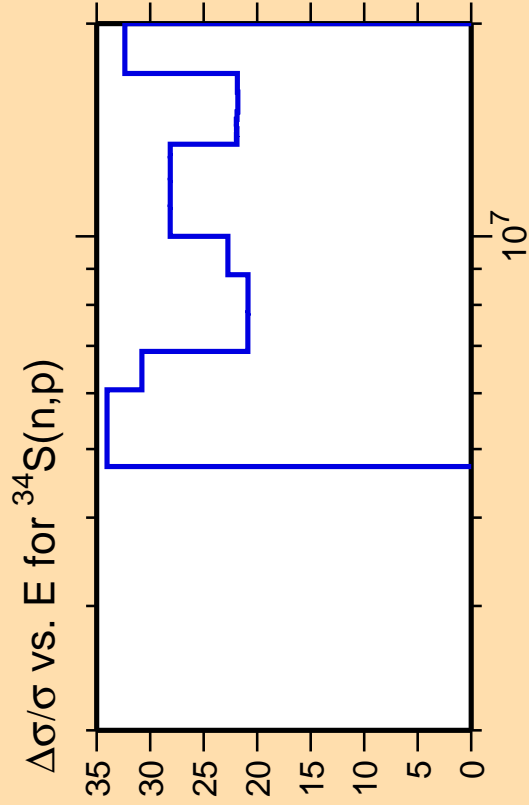
Warning: some uncertainty
data were suppressed.

$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{el.})$



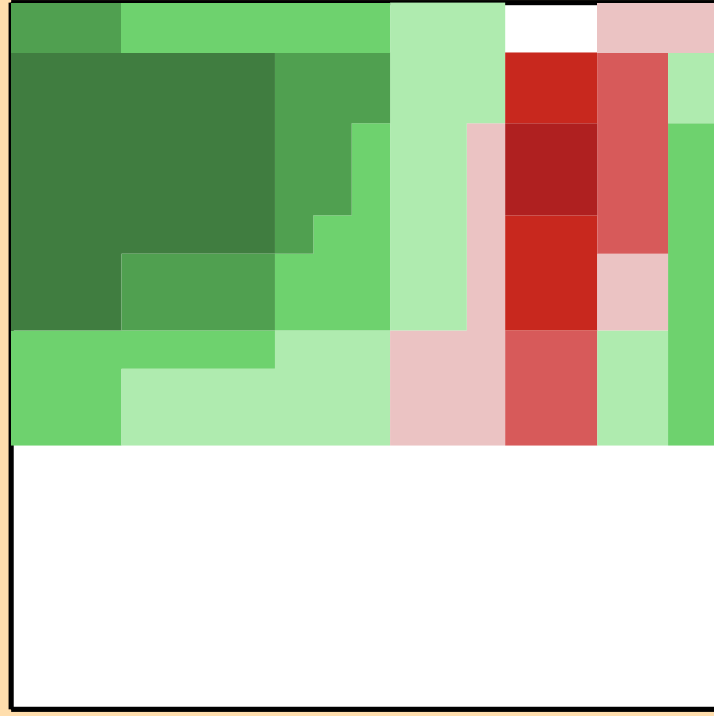
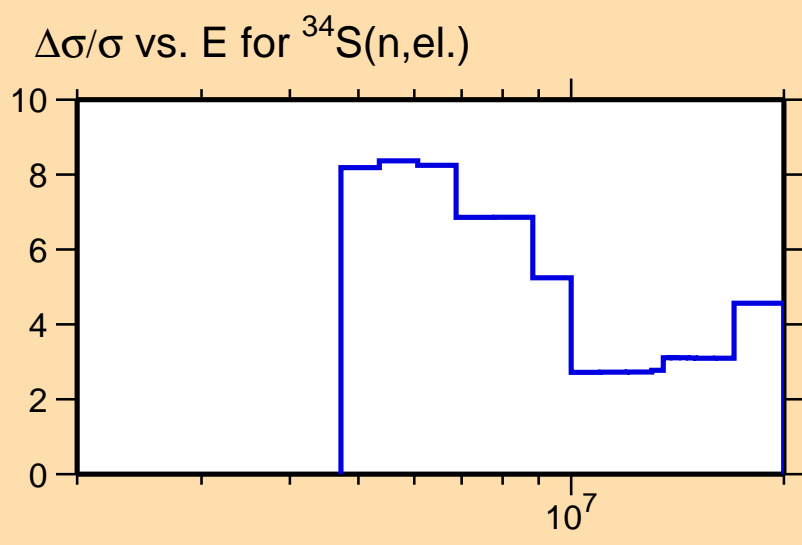
Correlation Matrix



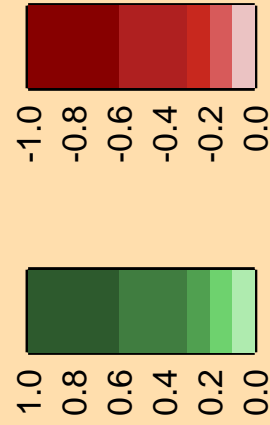


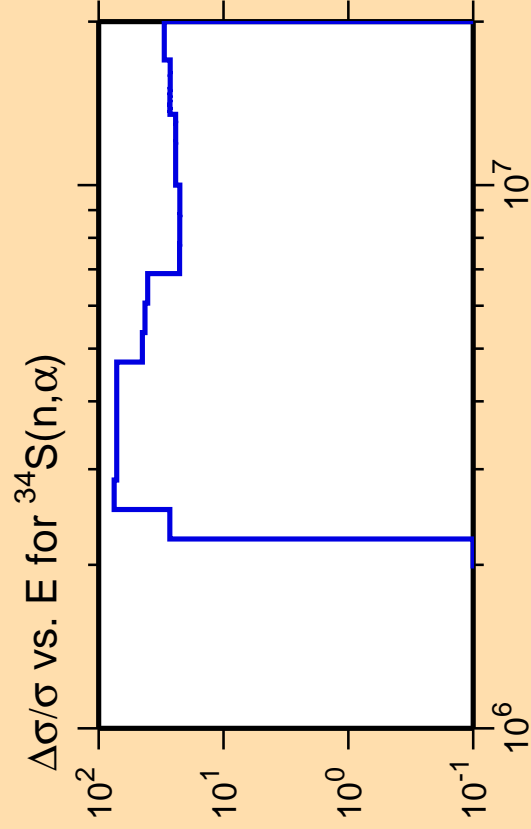
Ordinate scale is %
relative standard deviation.

Abcissa scales are energy (eV).



Correlation Matrix

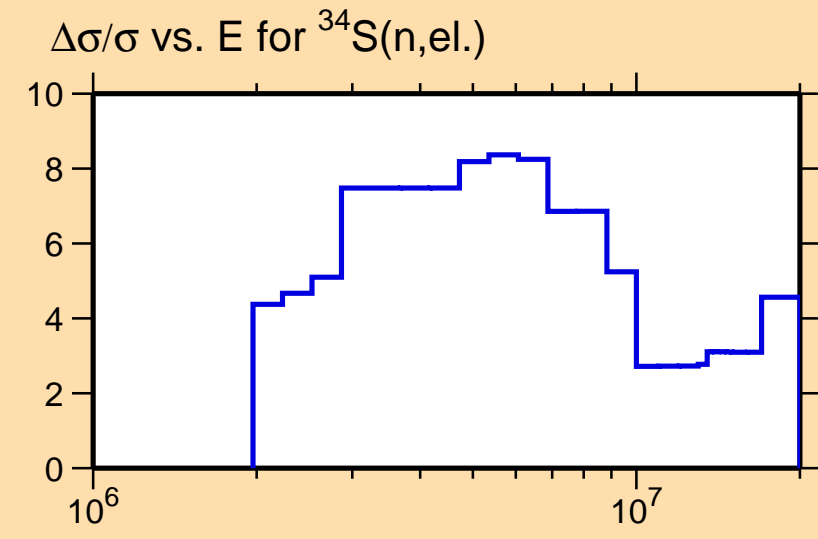




Ordinate scale is %
relative standard deviation.

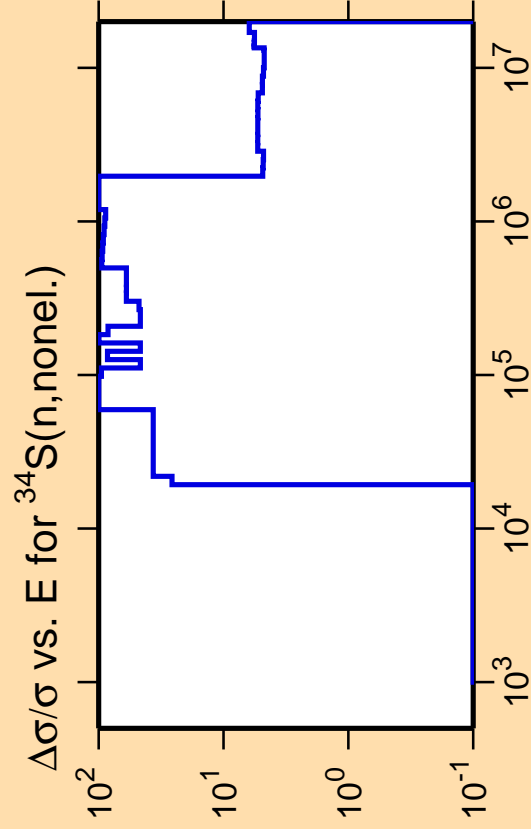
Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.



Correlation Matrix



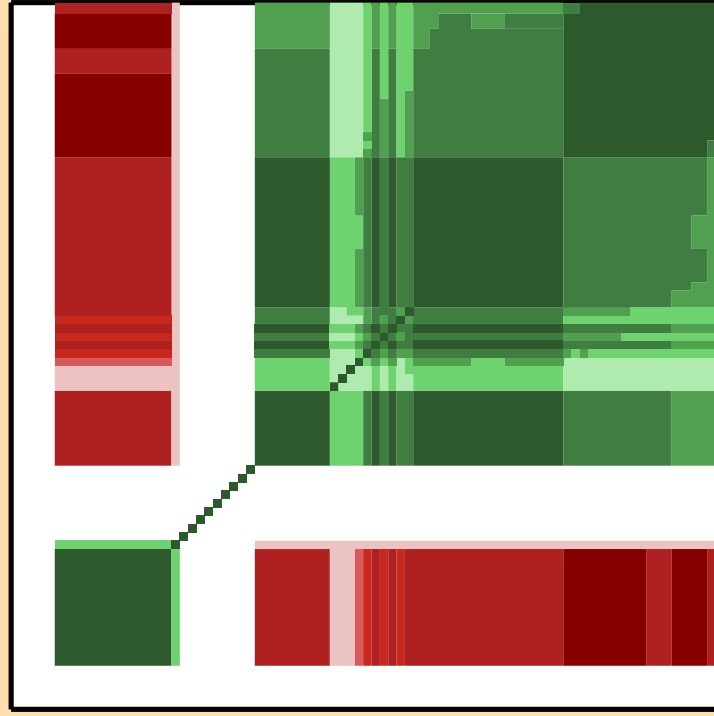
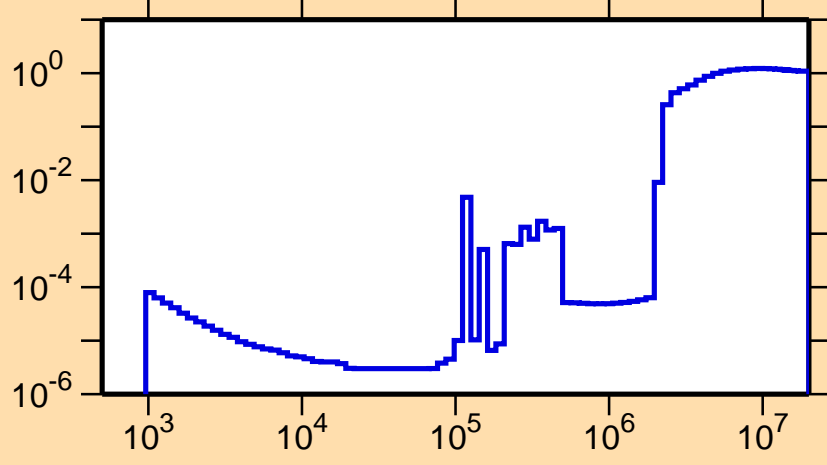


Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

Warning: some uncertainty data were suppressed.

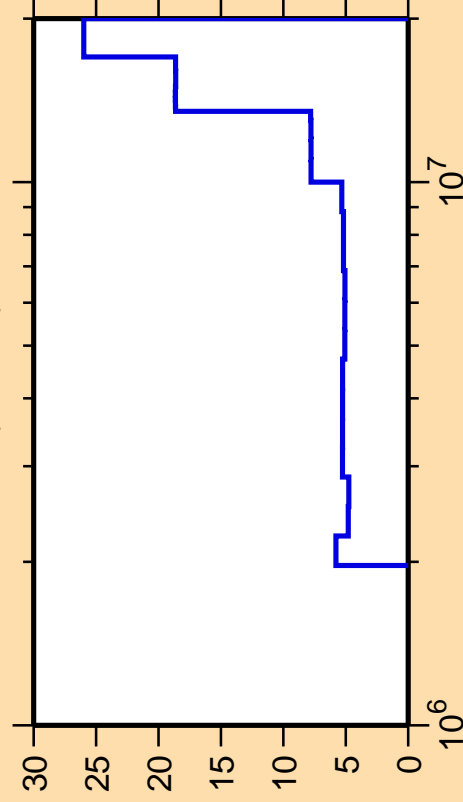
σ vs. E for $^{34}\text{S}(n,\text{nonel.})$



Correlation Matrix



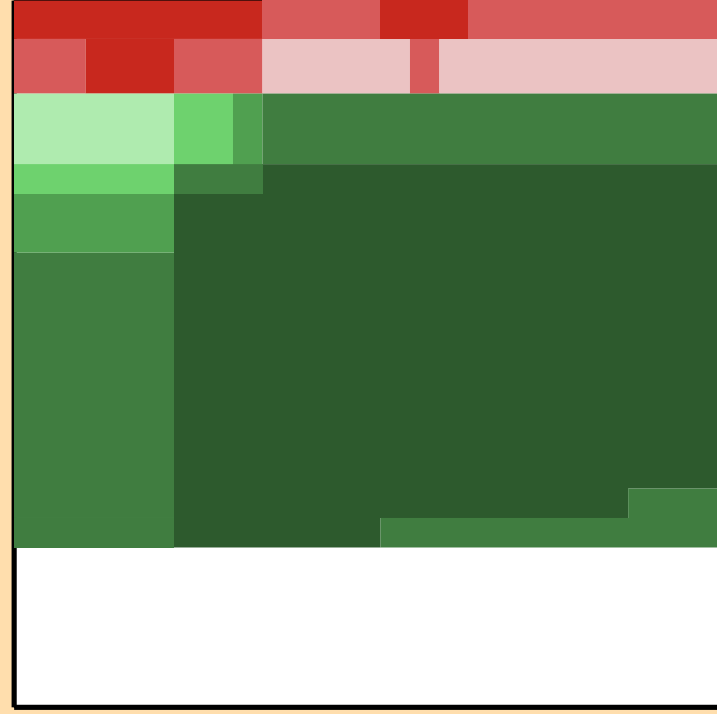
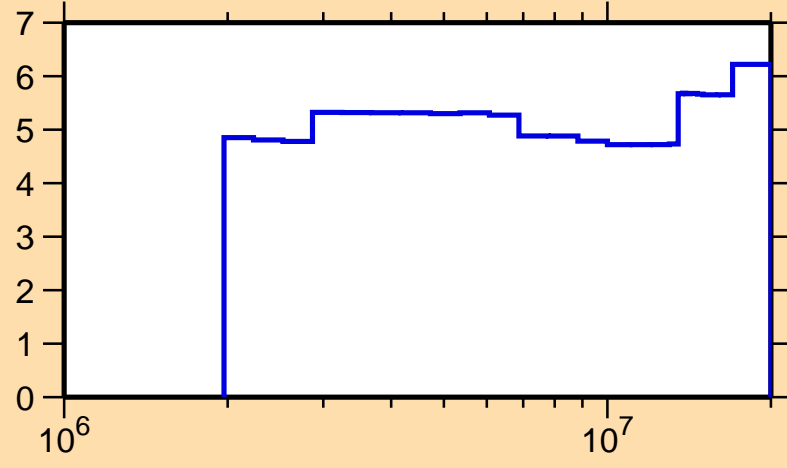
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{inel.})$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

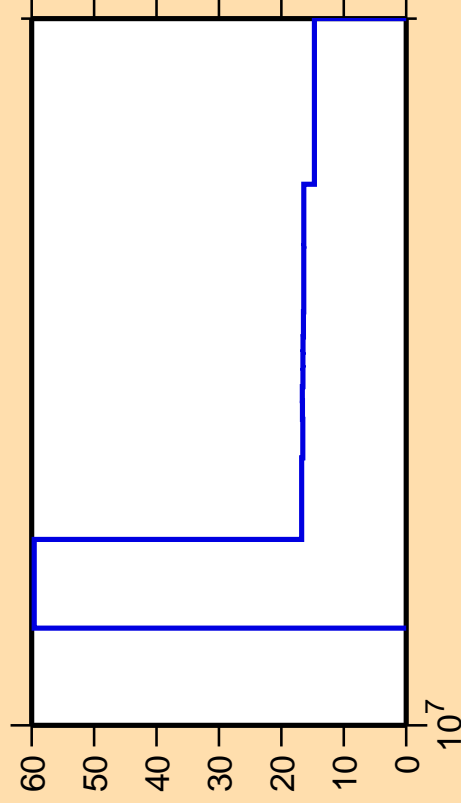
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{nonel.})$



Correlation Matrix



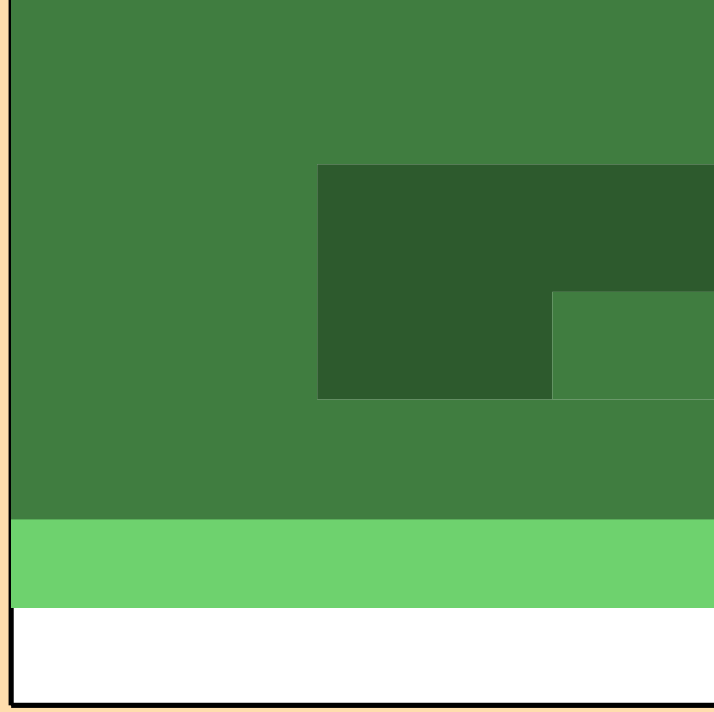
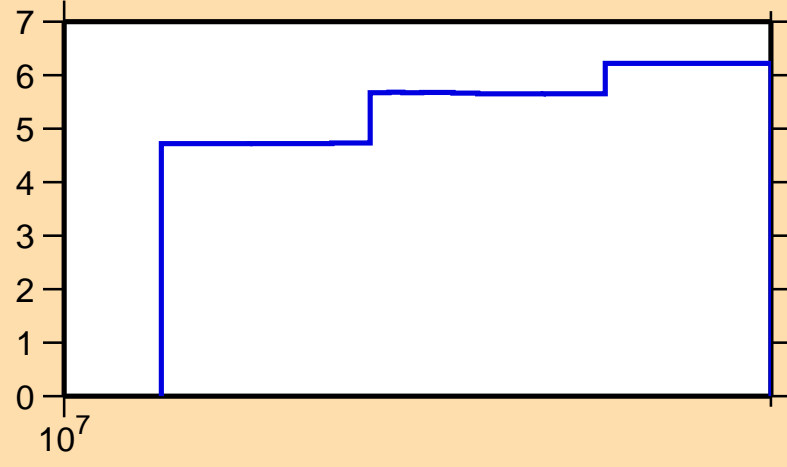
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,2n)$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

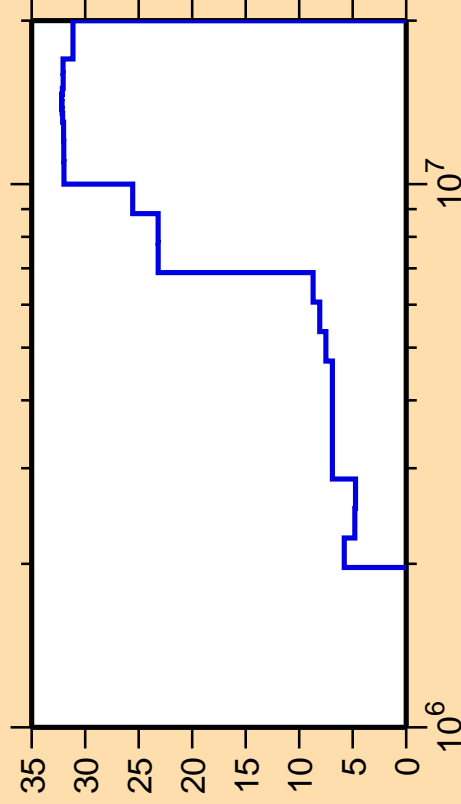
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{nonel.})$



Correlation Matrix



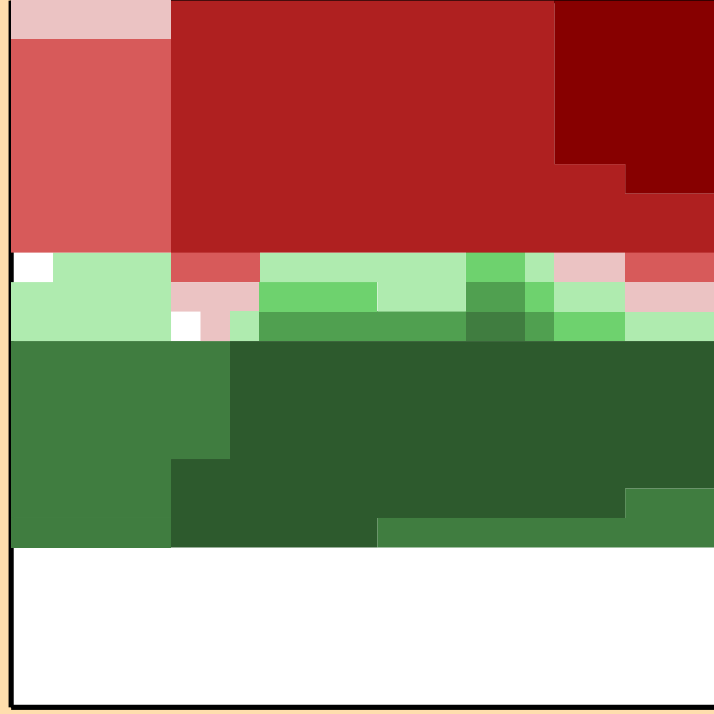
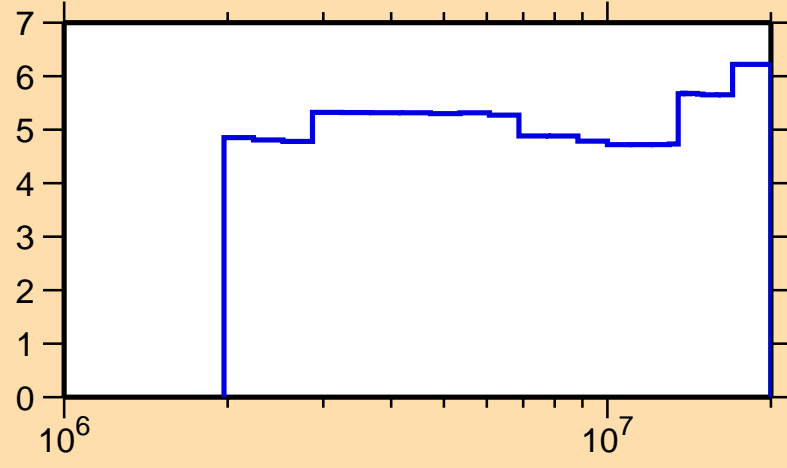
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n_1)$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

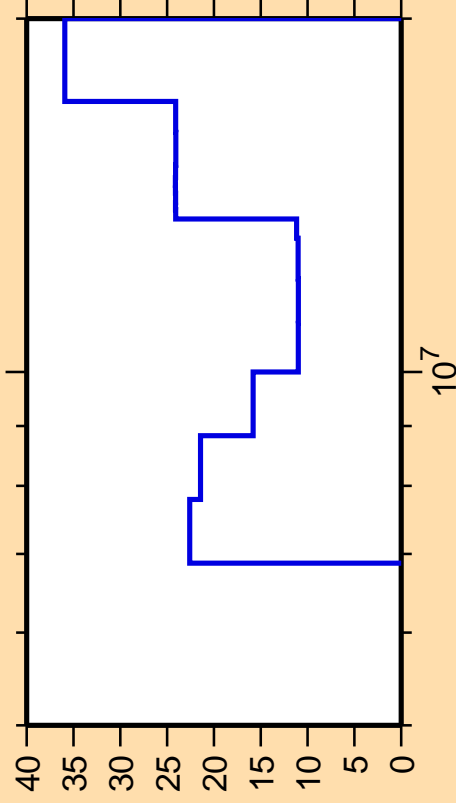
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{nonel.})$



Correlation Matrix



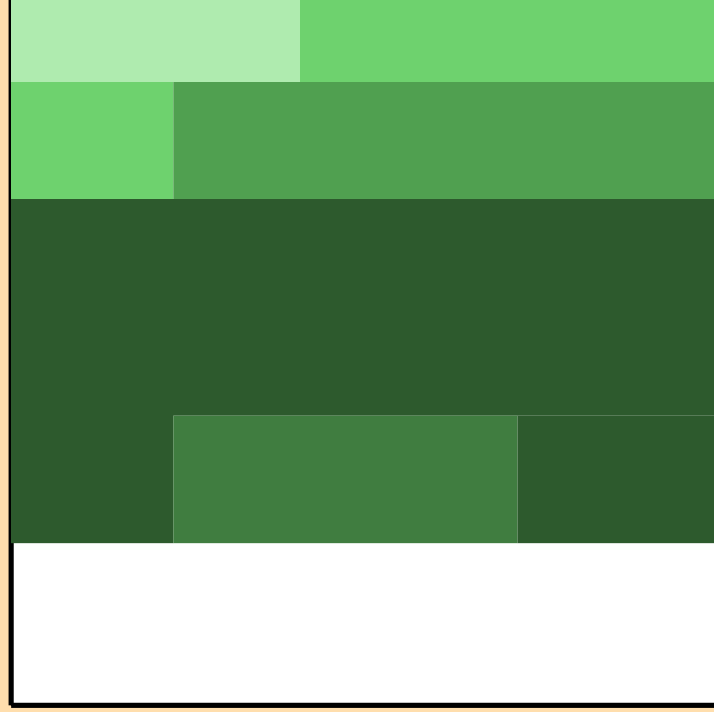
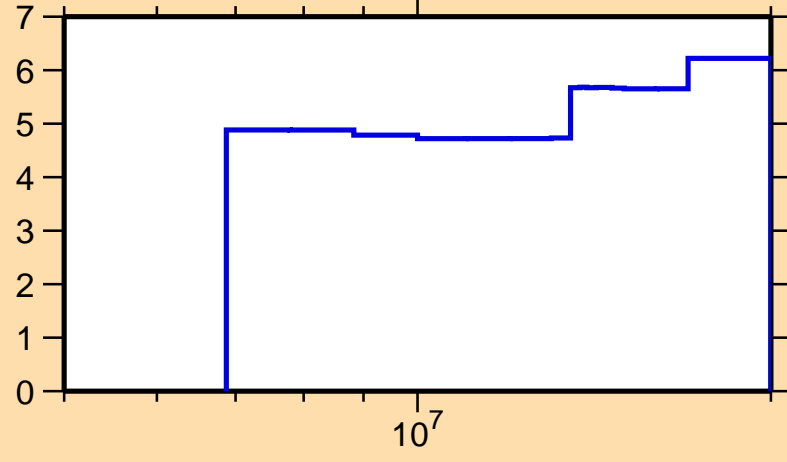
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n\text{cont.})$



Ordinate scale is %
relative standard deviation.

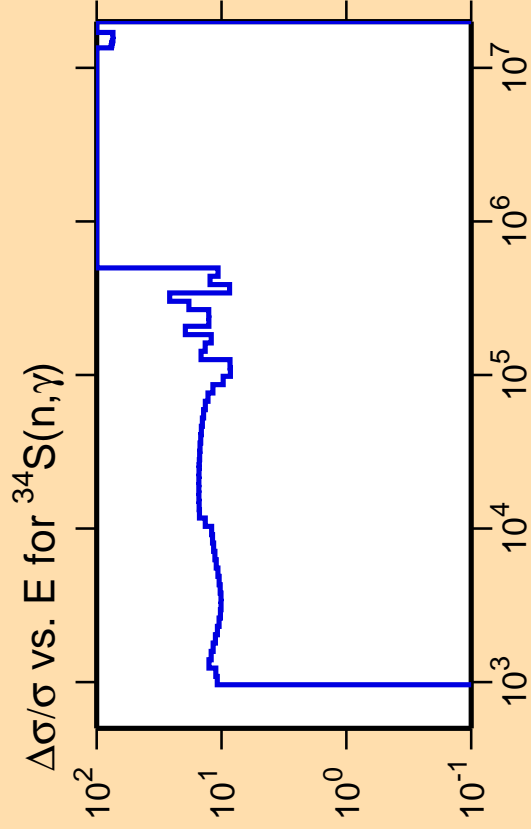
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n\text{onel.})$



Correlation Matrix



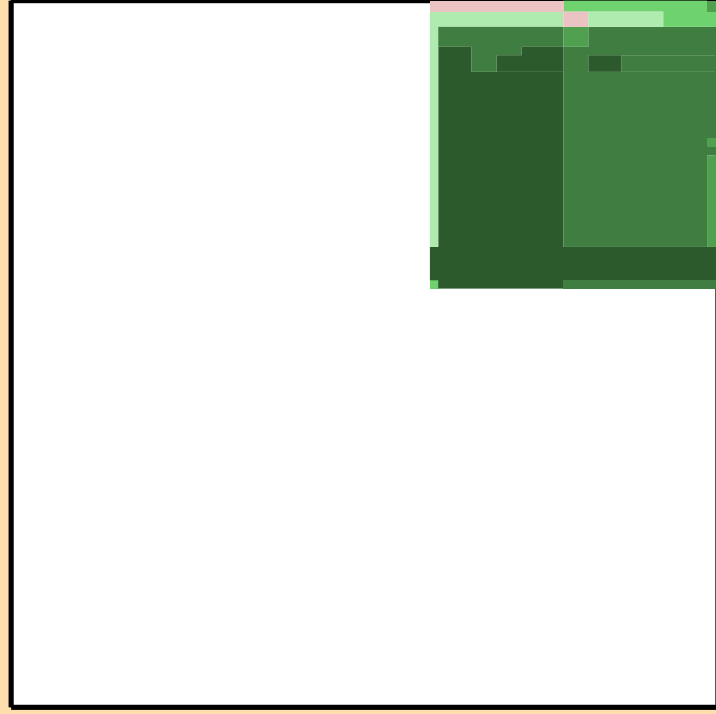
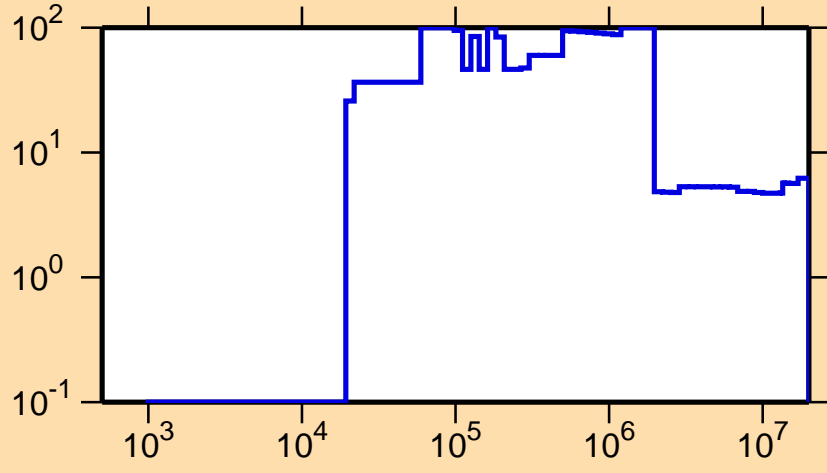


Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.

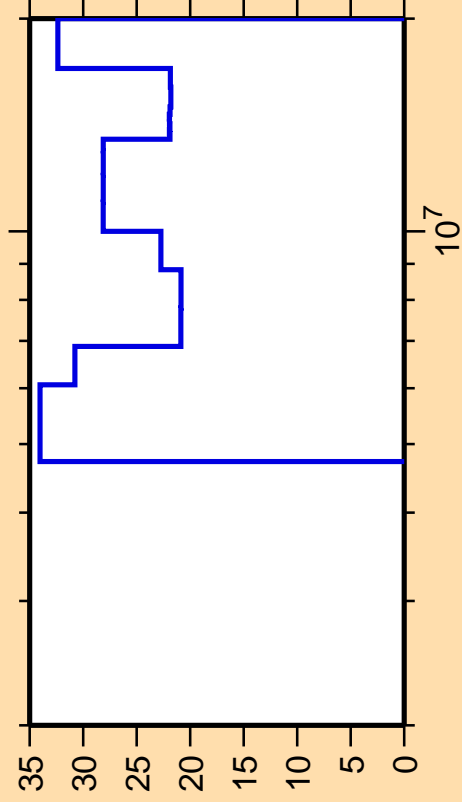
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{nonel.})$



Correlation Matrix



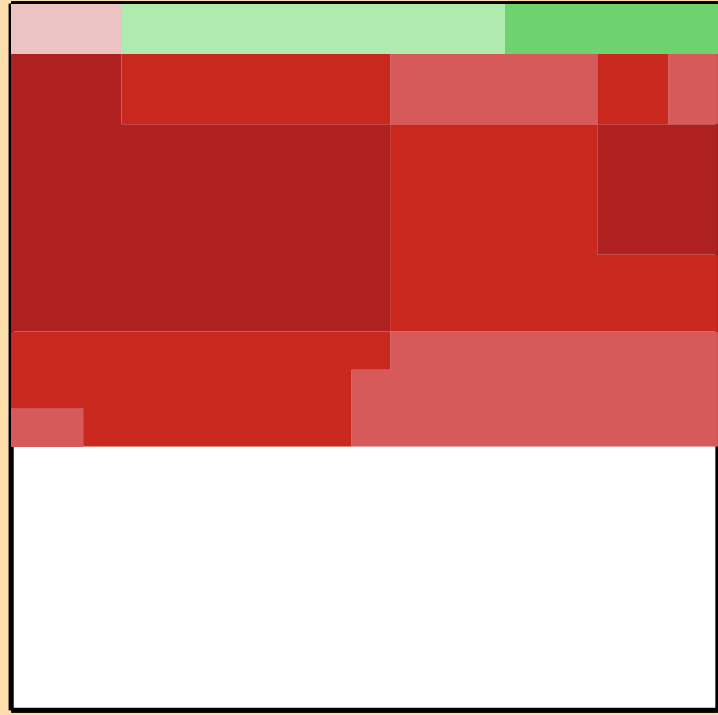
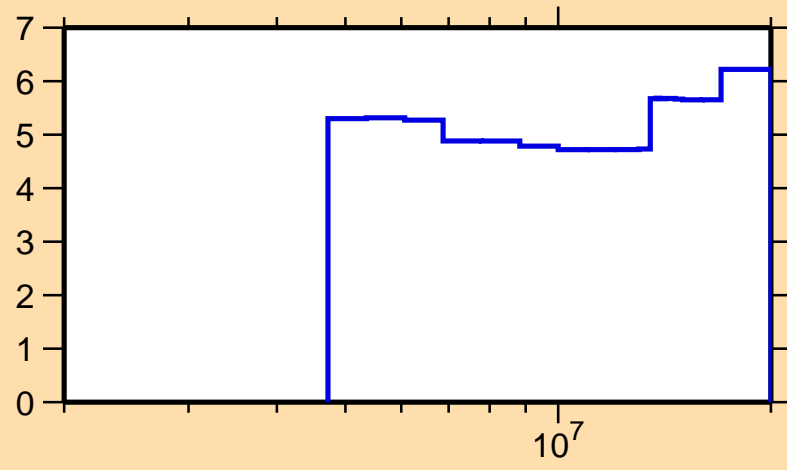
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,p)$



Ordinate scale is %
relative standard deviation.

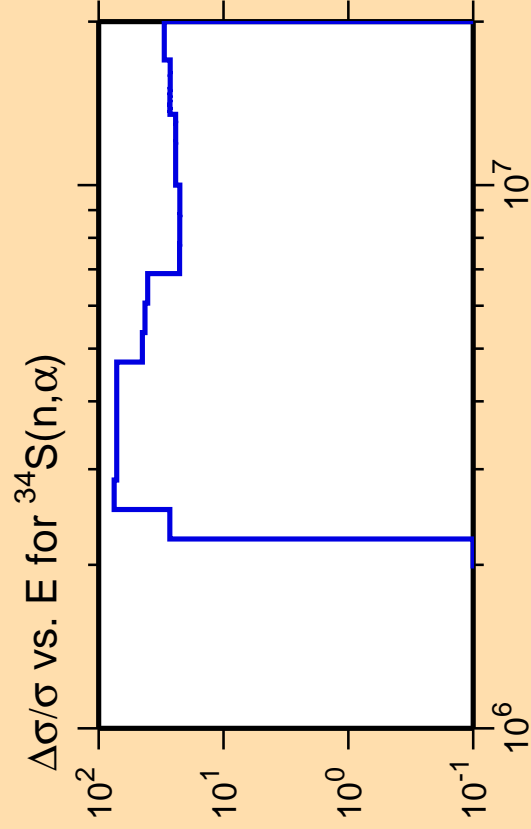
Abcissa scales are energy (eV).

$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{nonel.})$



Correlation Matrix



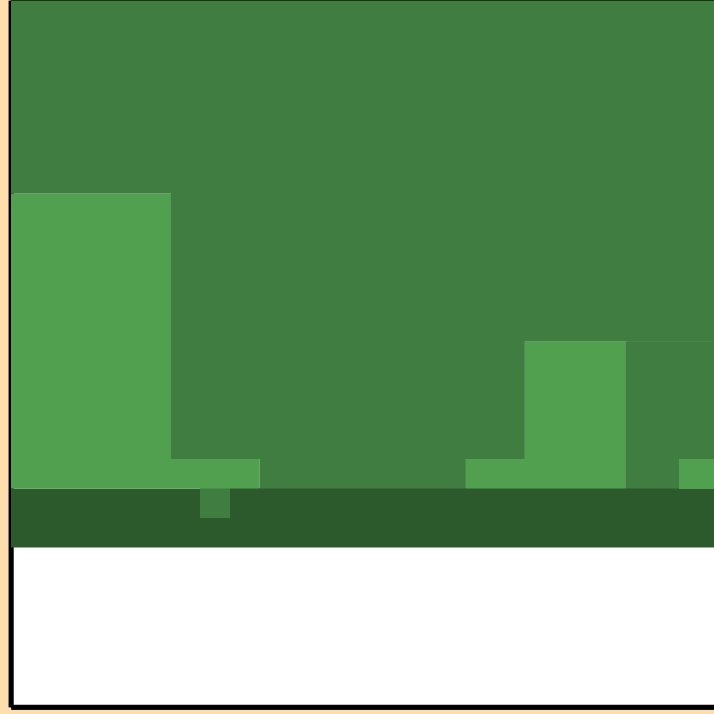
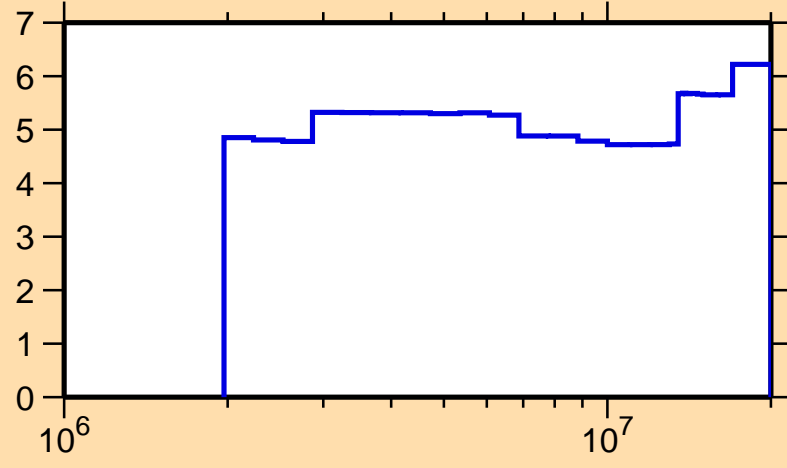


Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.

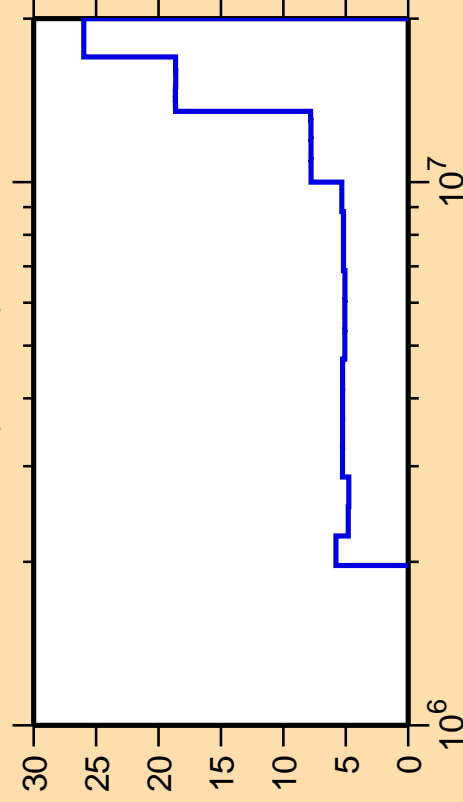
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{nonel.})$



Correlation Matrix



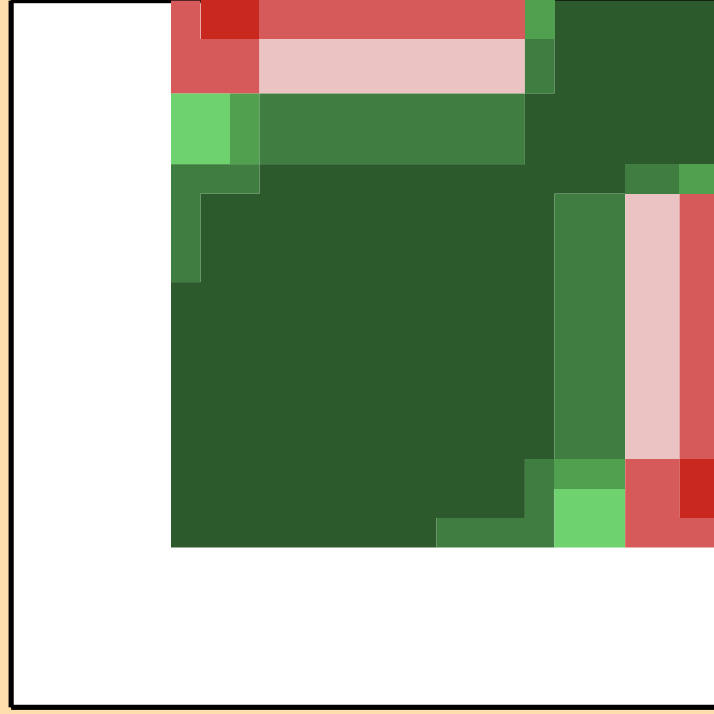
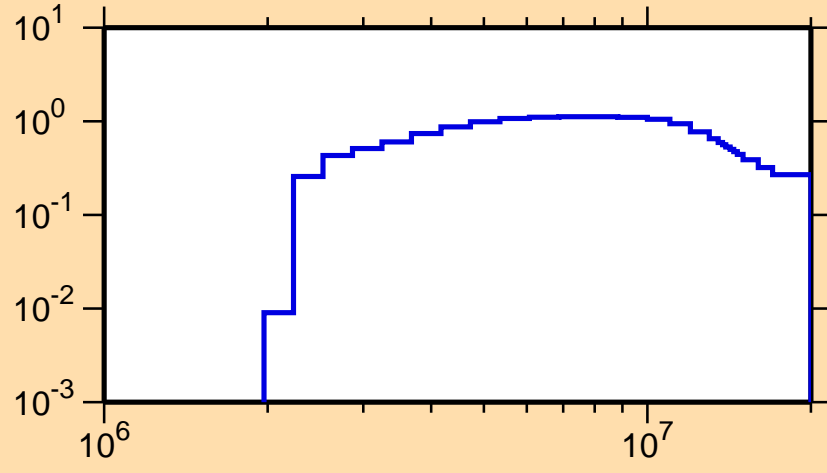
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{inel.})$



Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

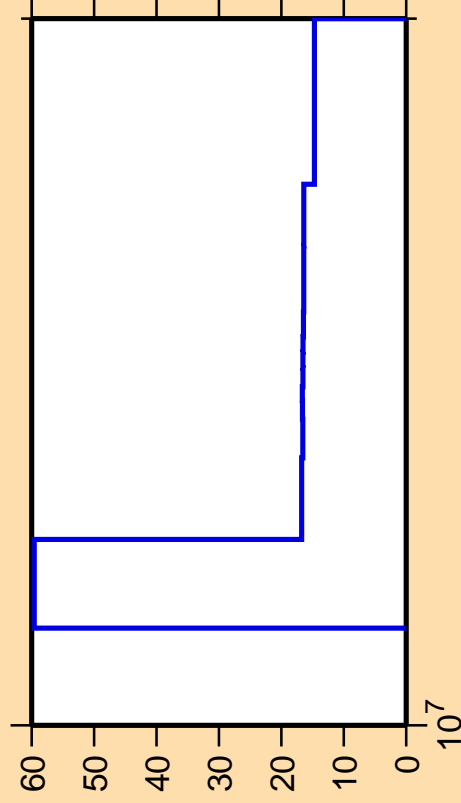
σ vs. E for $^{34}\text{S}(n,\text{inel.})$



Correlation Matrix



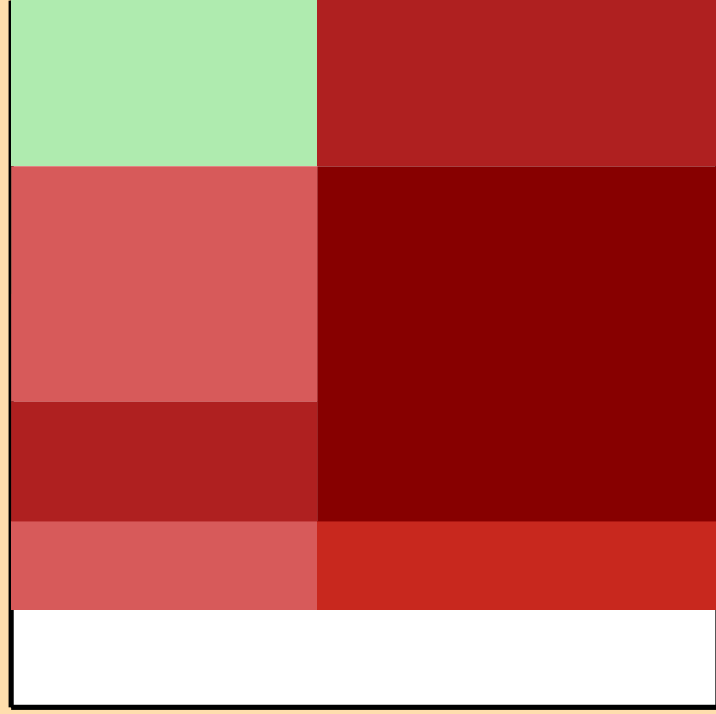
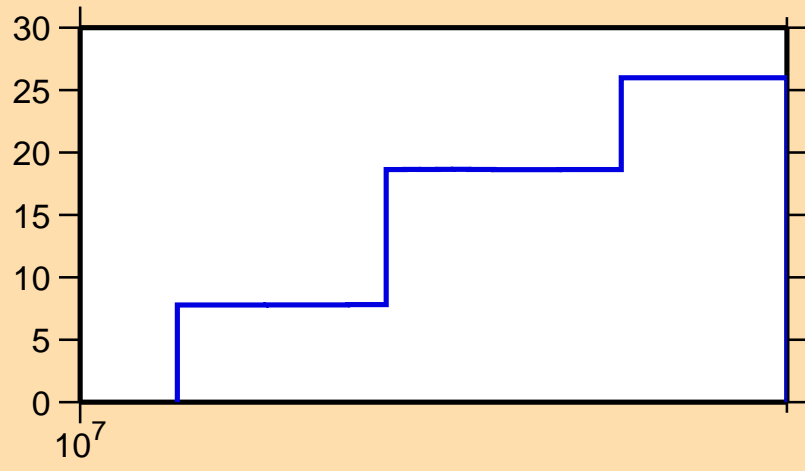
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,2n)$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

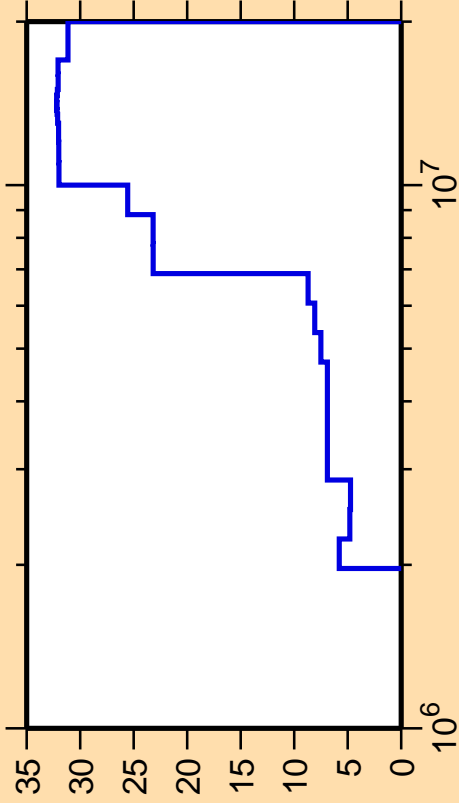
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{inel.})$



Correlation Matrix



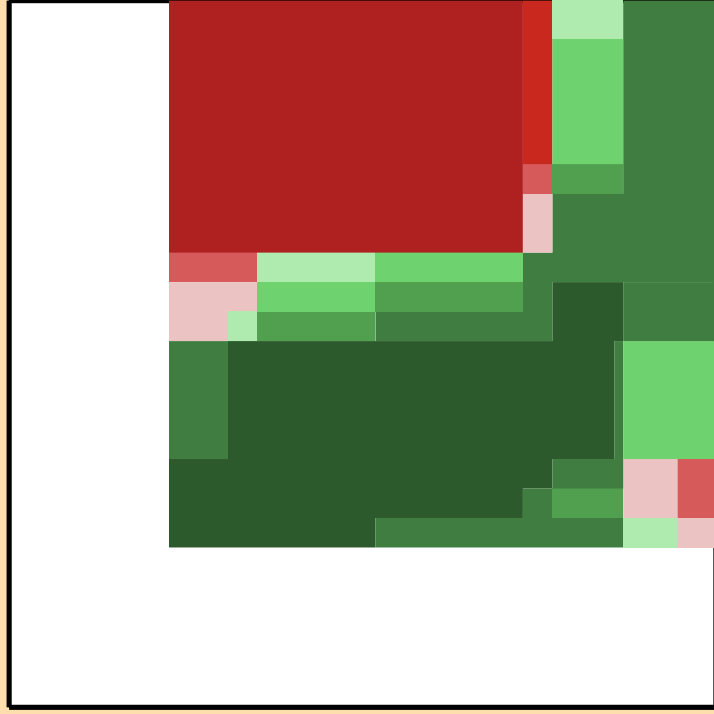
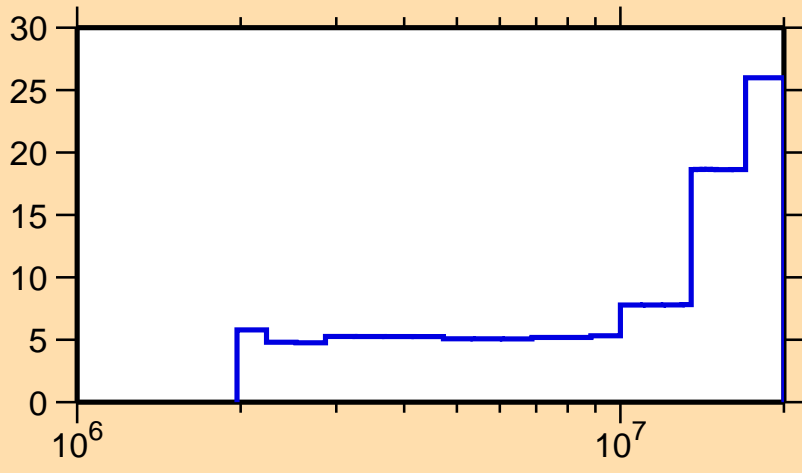
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n_1)$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

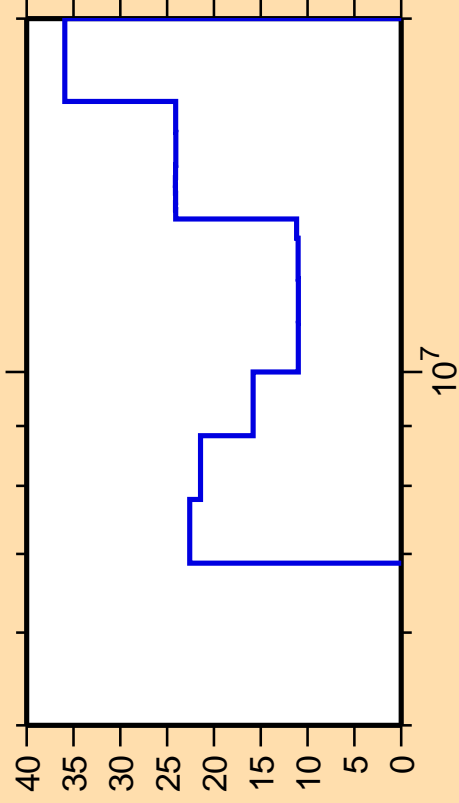
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{inel.})$



Correlation Matrix



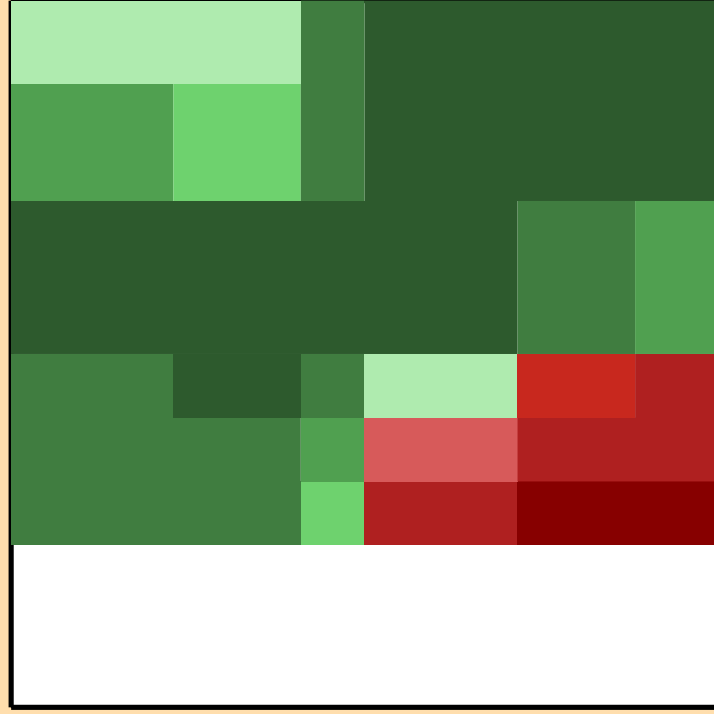
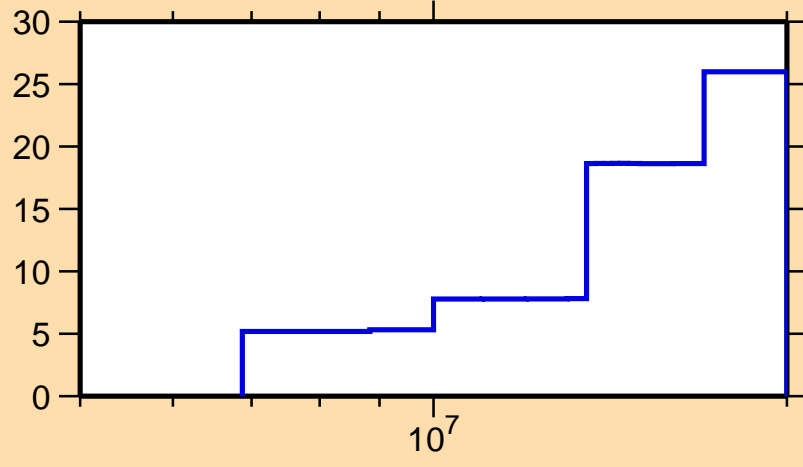
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n\text{cont.})$



Ordinate scale is %
relative standard deviation.

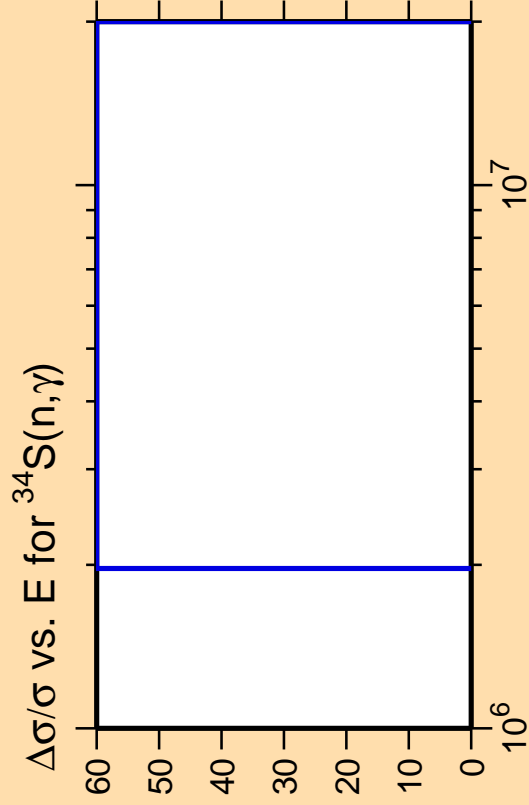
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{inel.})$



Correlation Matrix

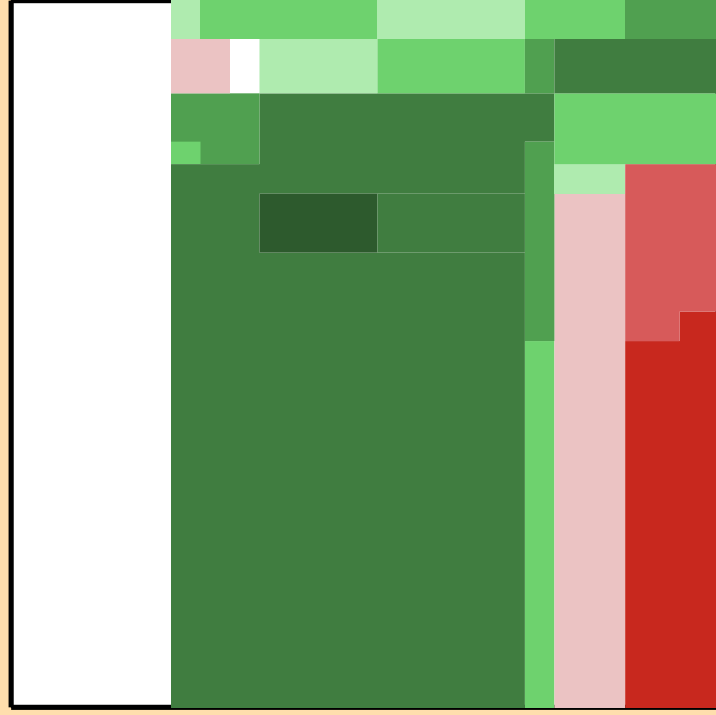
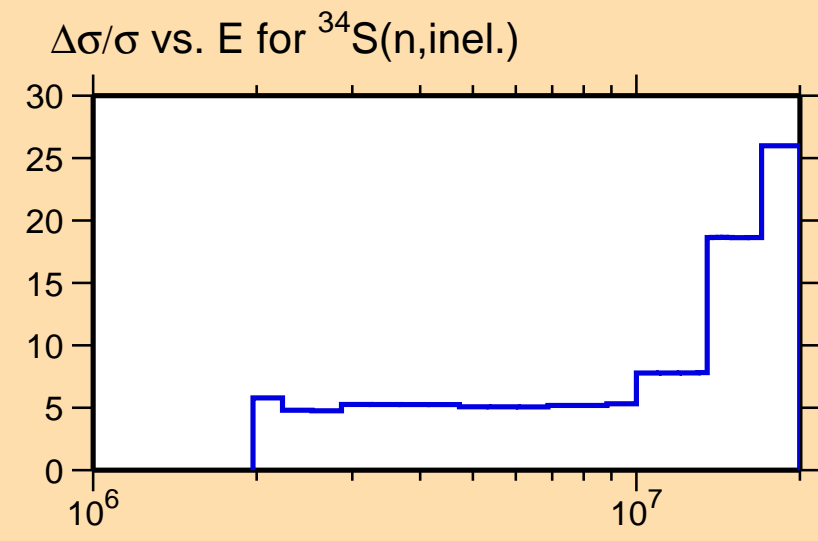




Ordinate scale is %
relative standard deviation.

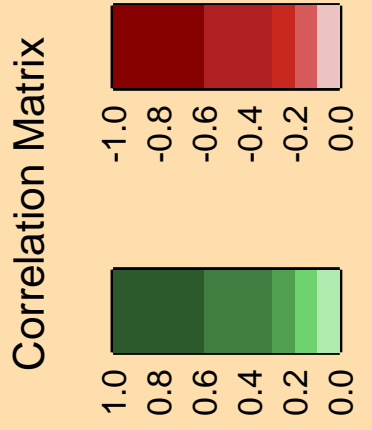
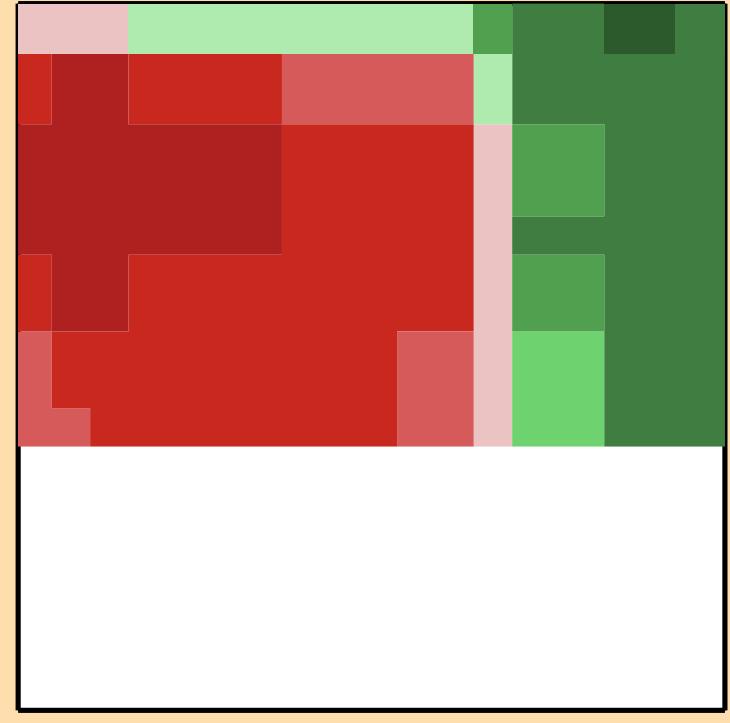
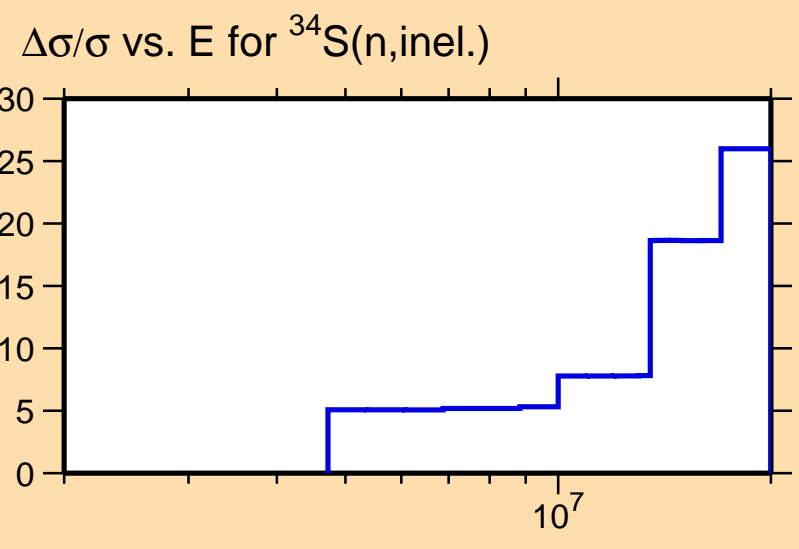
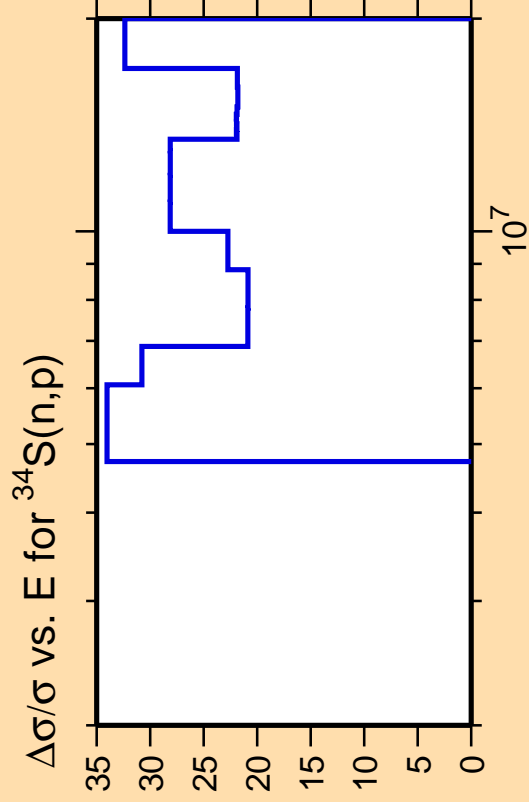
Abscissa scales are energy (eV).

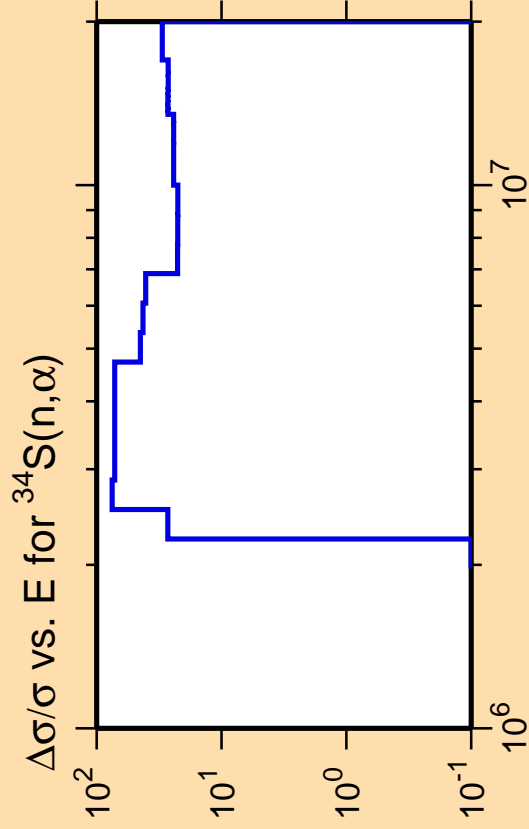
Warning: some uncertainty
data were suppressed.



Correlation Matrix





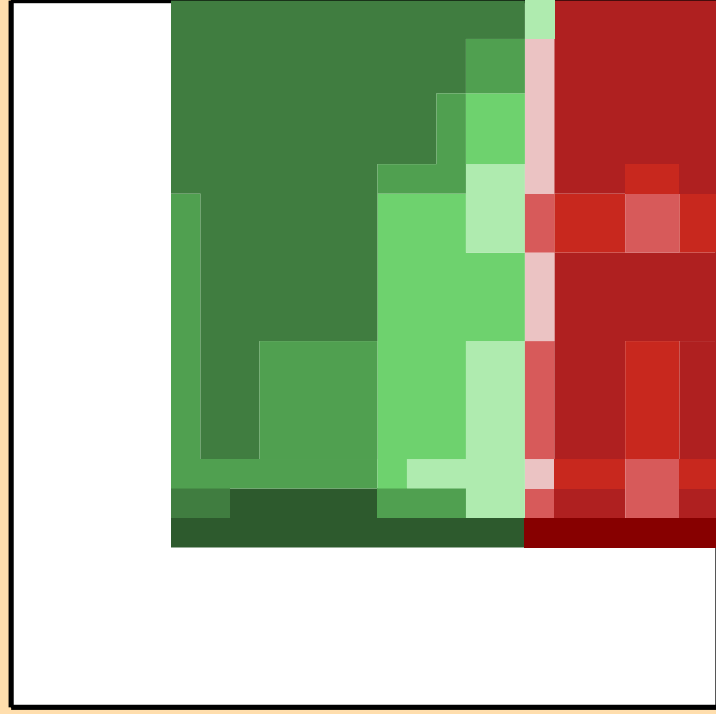
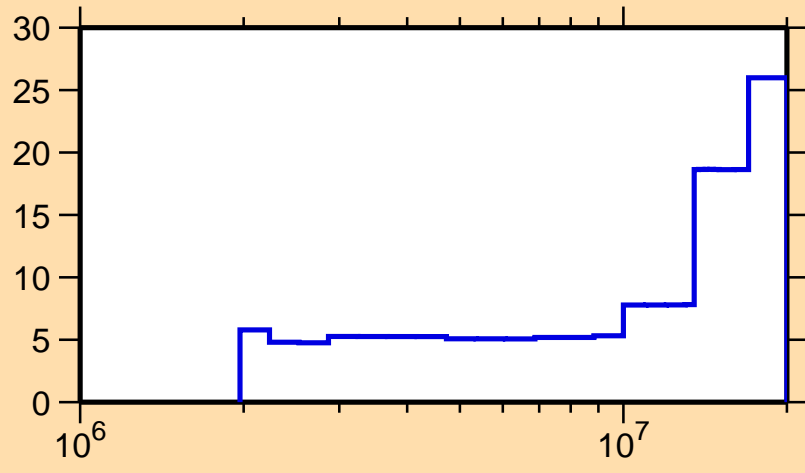


Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.

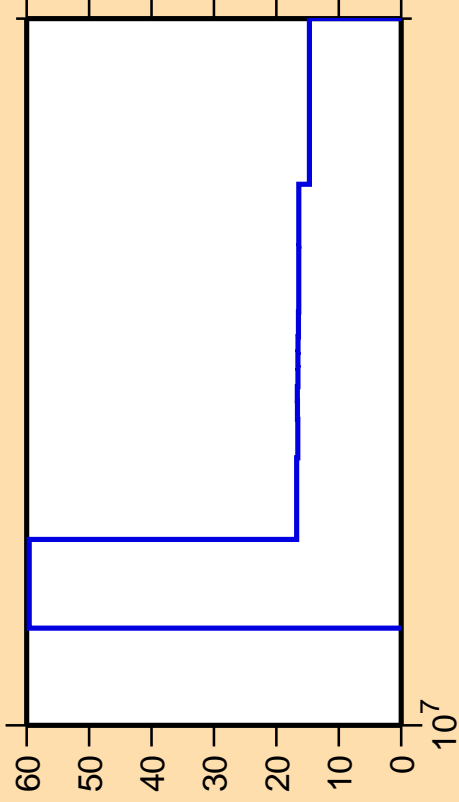
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{inel.})$



Correlation Matrix



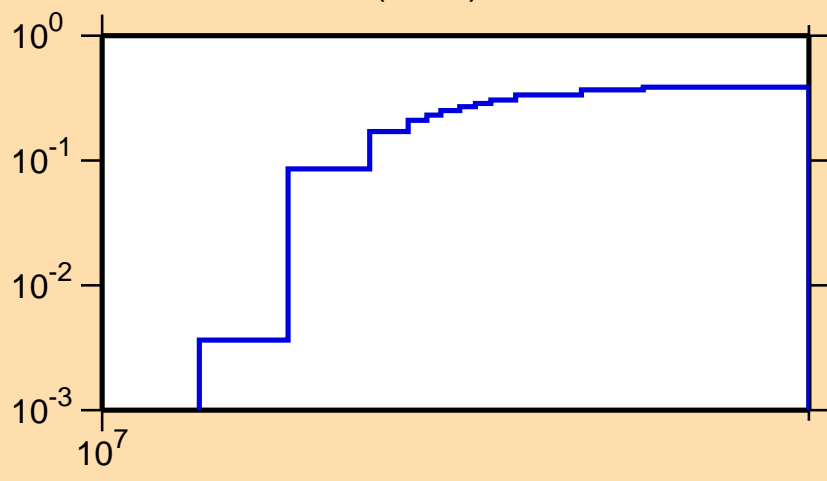
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,2n)$



Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

σ vs. E for $^{34}\text{S}(n,2n)$



10^7

10^0

10^{-1}

10^{-2}

10^{-3}

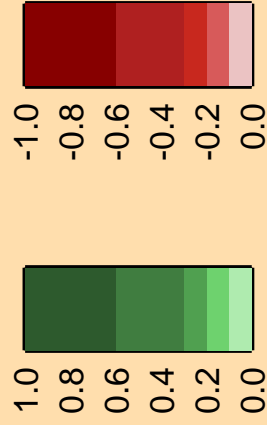
10^7

10^8

10^9

10^{10}

Correlation Matrix



1.0

0.8

0.6

0.4

0.2

0.0

-1.0

-0.8

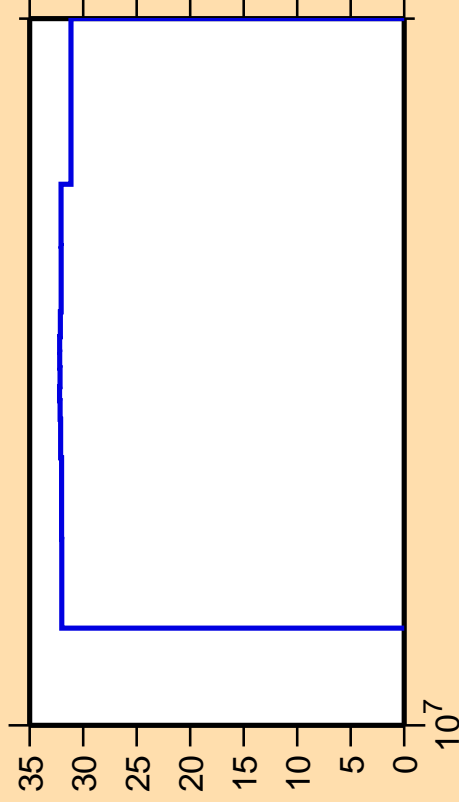
-0.6

-0.4

-0.2

0.0

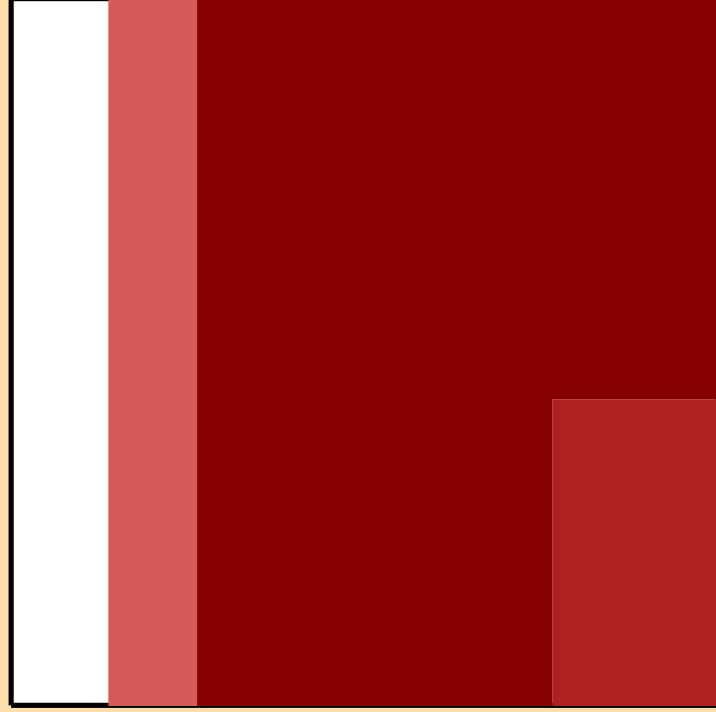
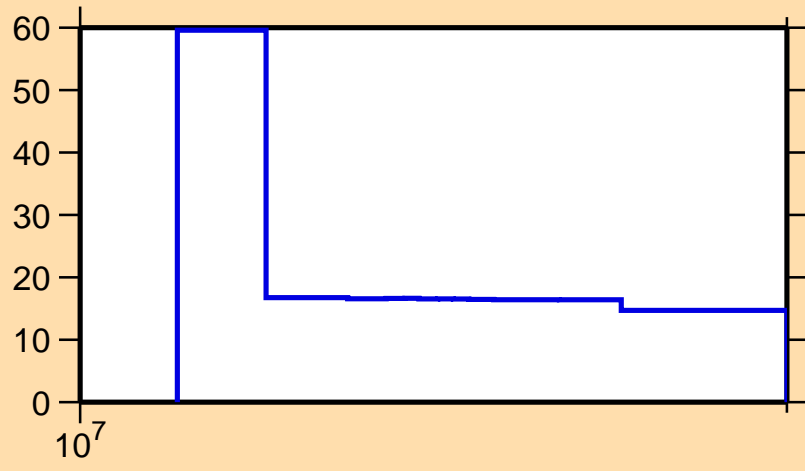
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n_1)$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

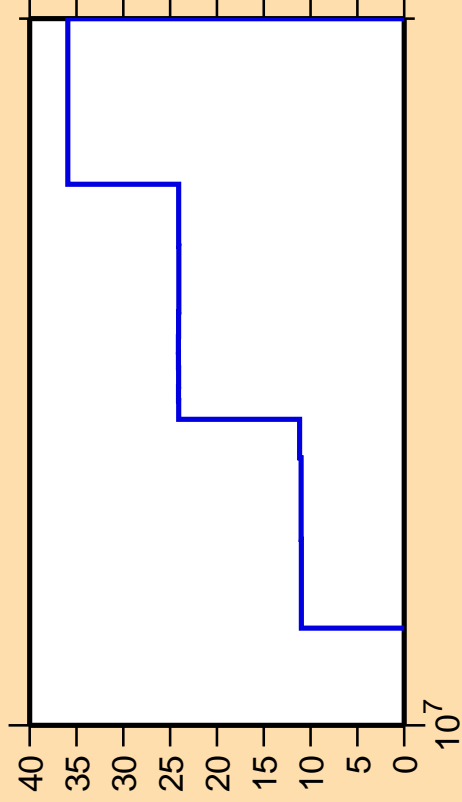
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,2n)$



Correlation Matrix



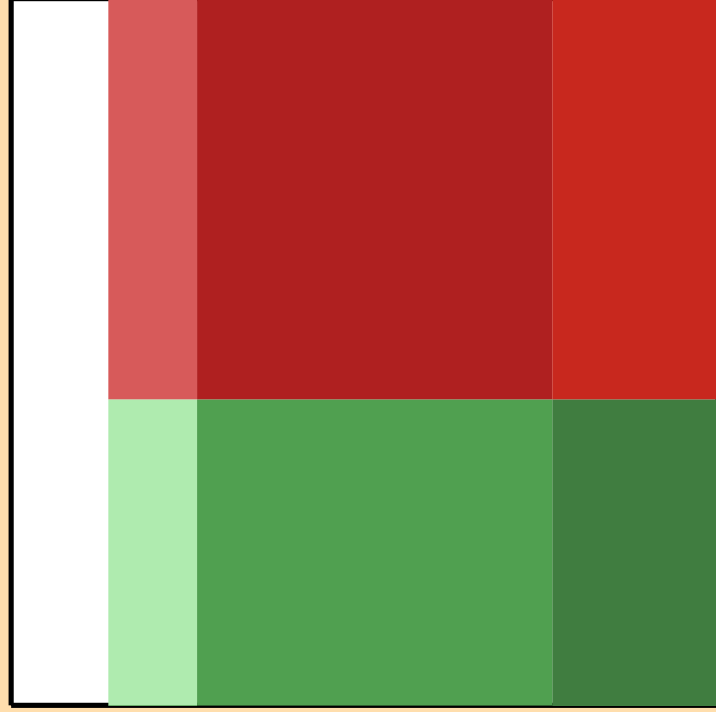
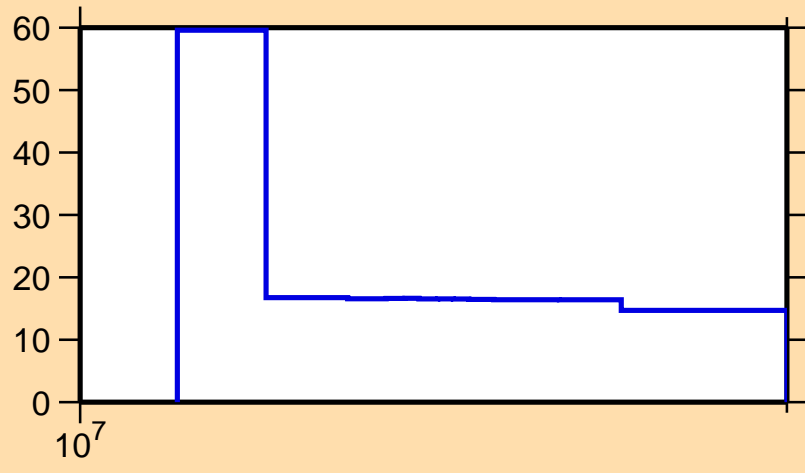
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n\text{cont.})$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,2n)$



Correlation Matrix



$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\gamma)$

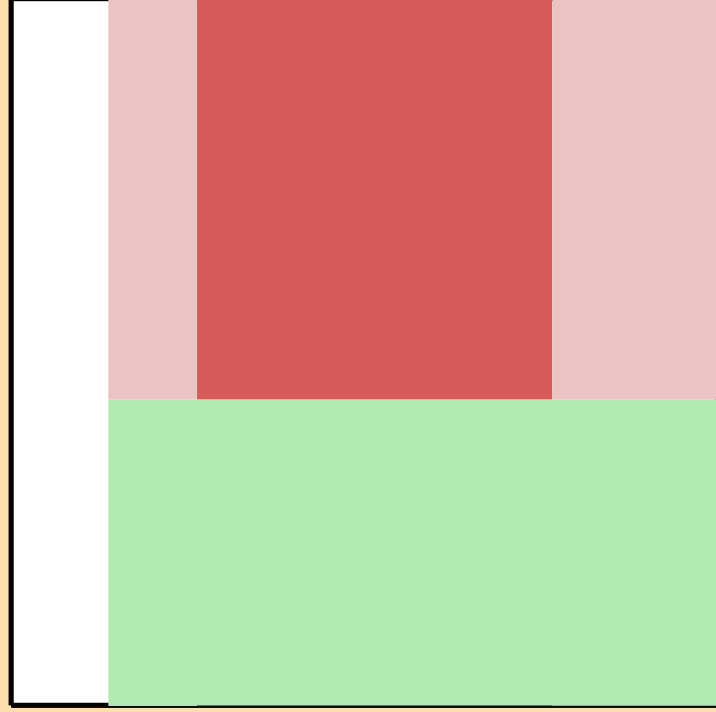
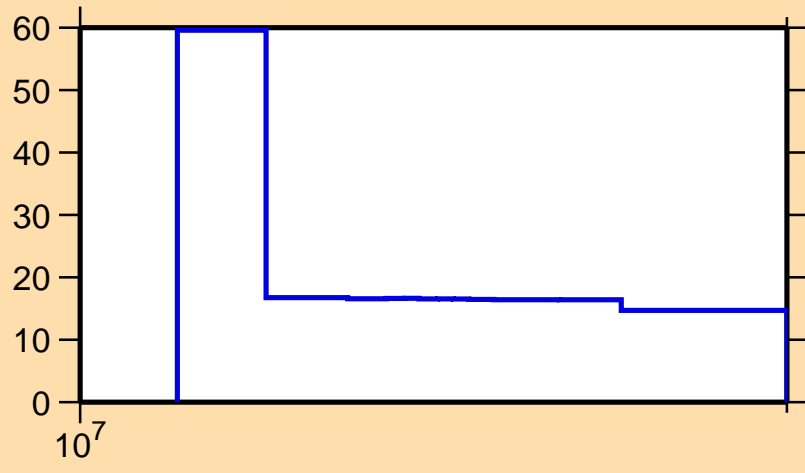


Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.

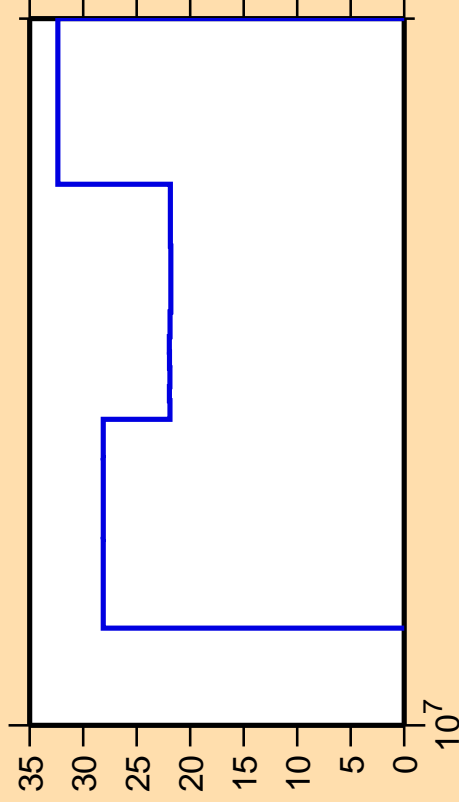
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,2n)$



Correlation Matrix



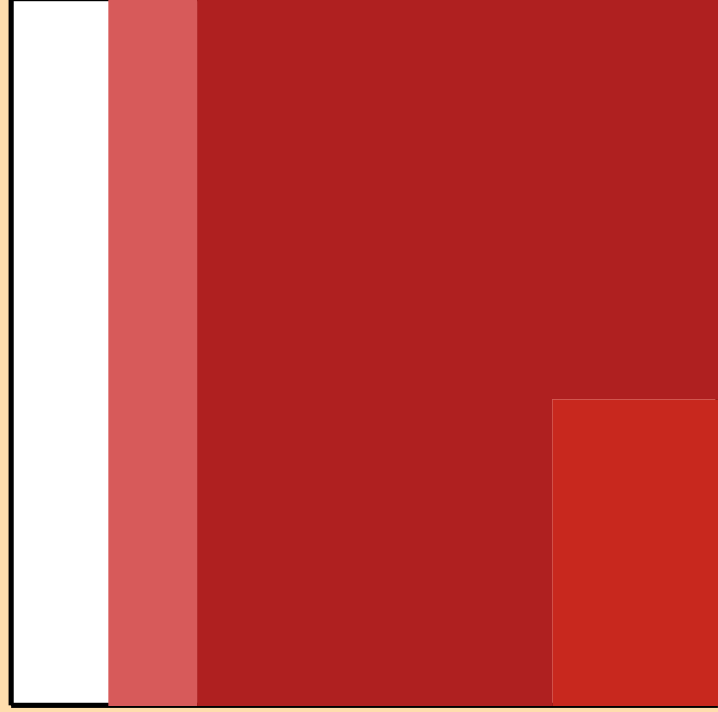
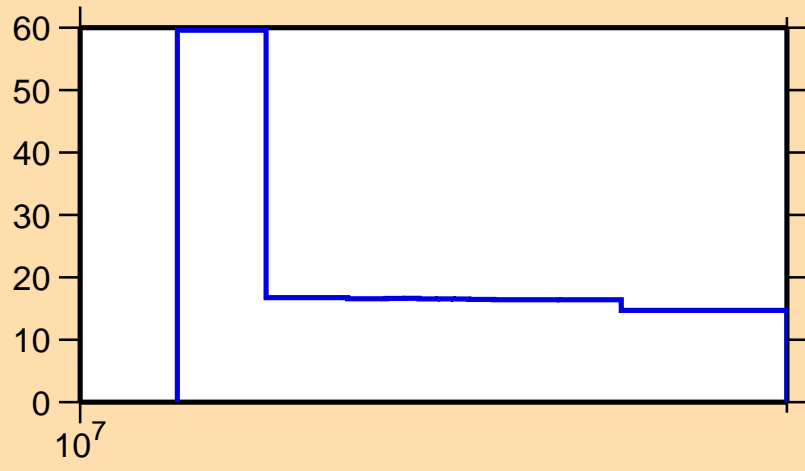
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,p)$



Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

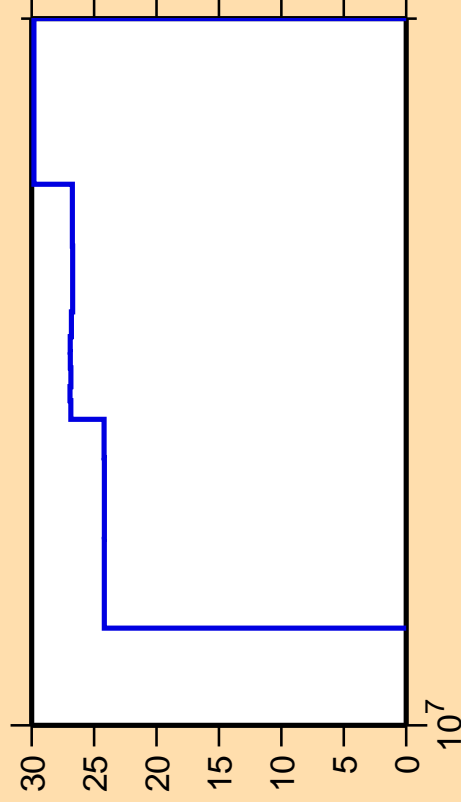
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,2n)$



Correlation Matrix



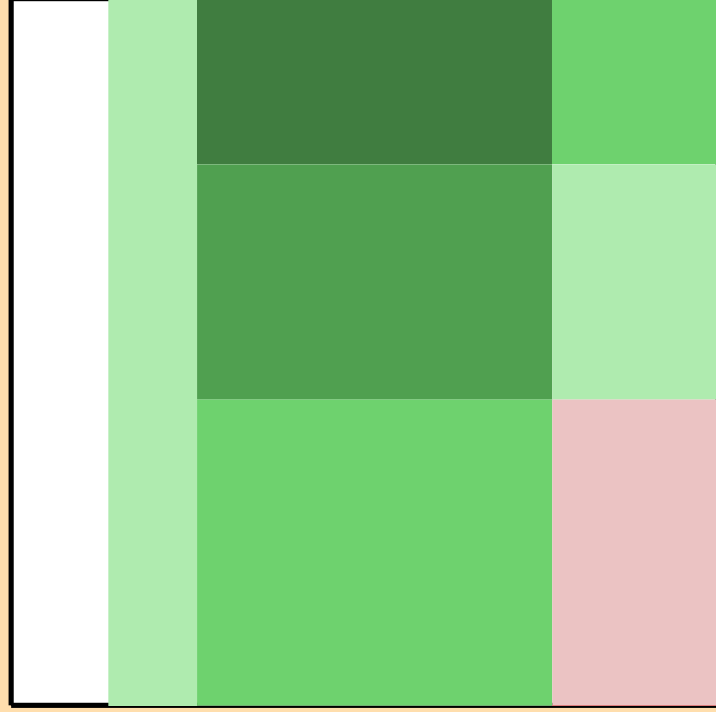
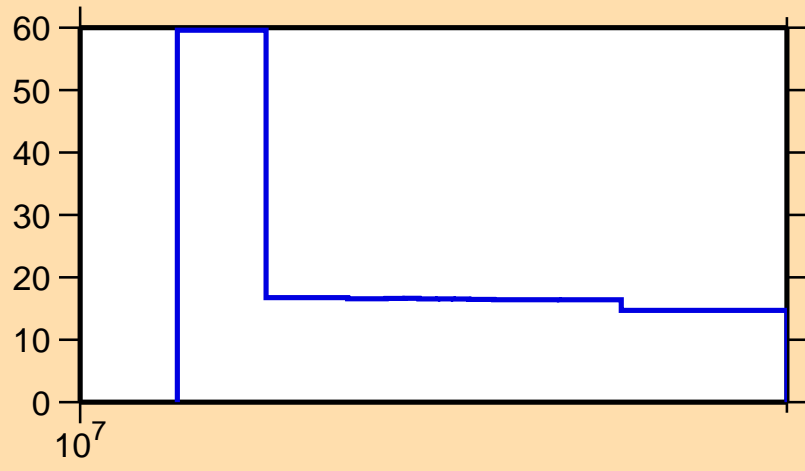
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\alpha)$



Ordinate scale is %
relative standard deviation.

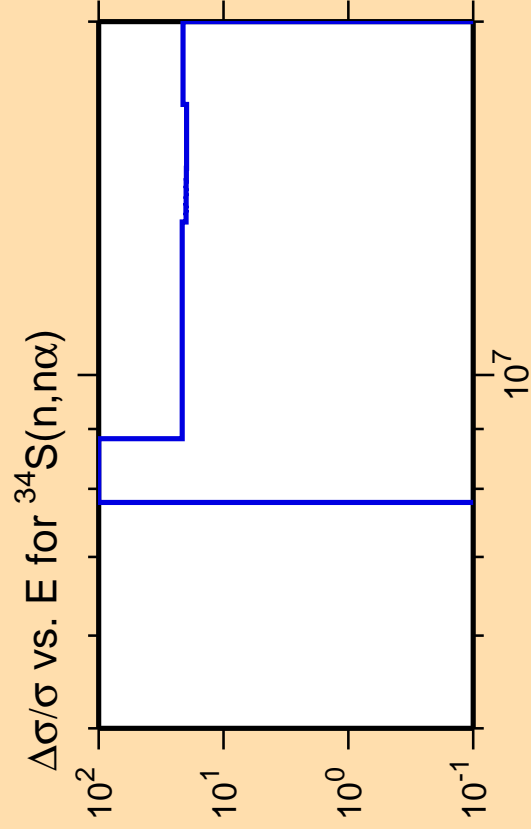
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,2n)$



Correlation Matrix

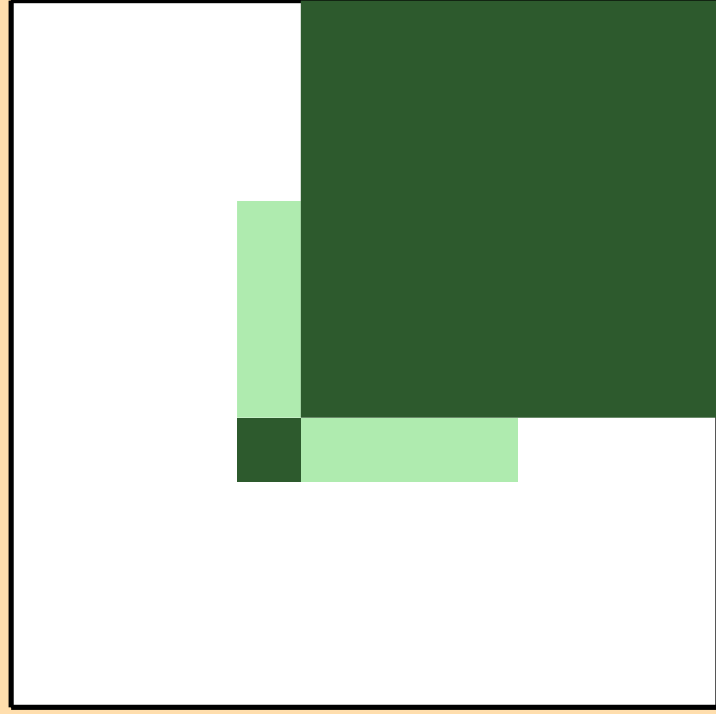
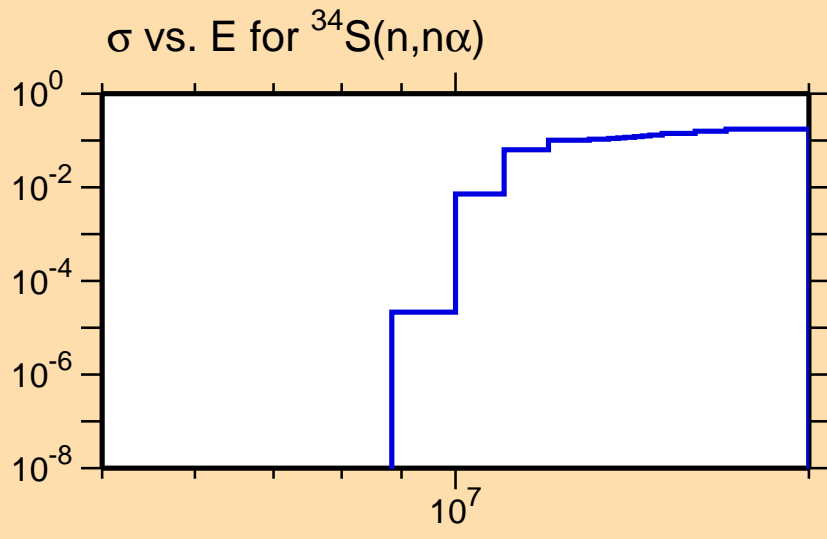




Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

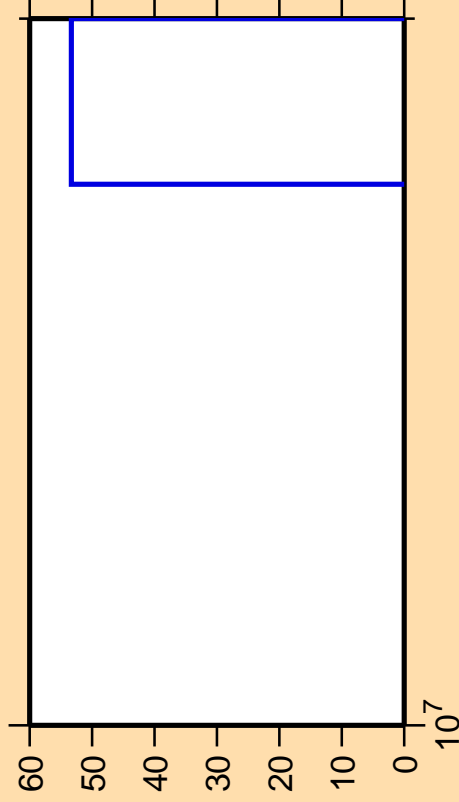
Warning: some uncertainty data were suppressed.



Correlation Matrix



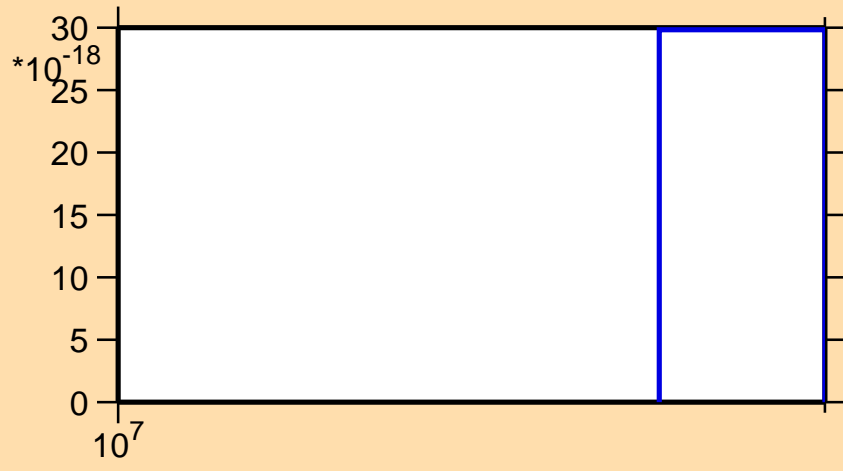
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,2n\alpha)$



Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

σ vs. E for $^{34}\text{S}(n,2n\alpha)$

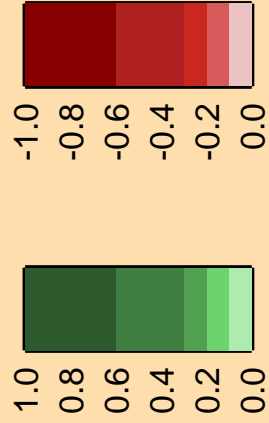


10^7

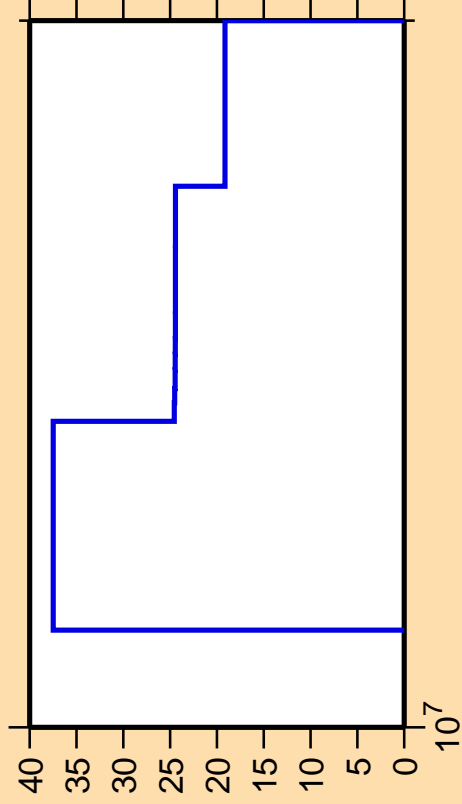
$\times 10^{-18}$

0 5 10 15 20 25 30

Correlation Matrix



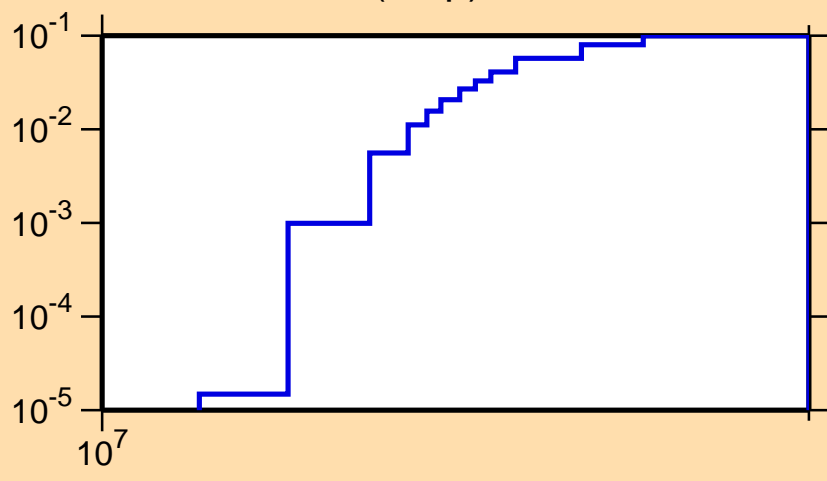
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,np)$



Ordinate scales are % relative standard deviation and barns.

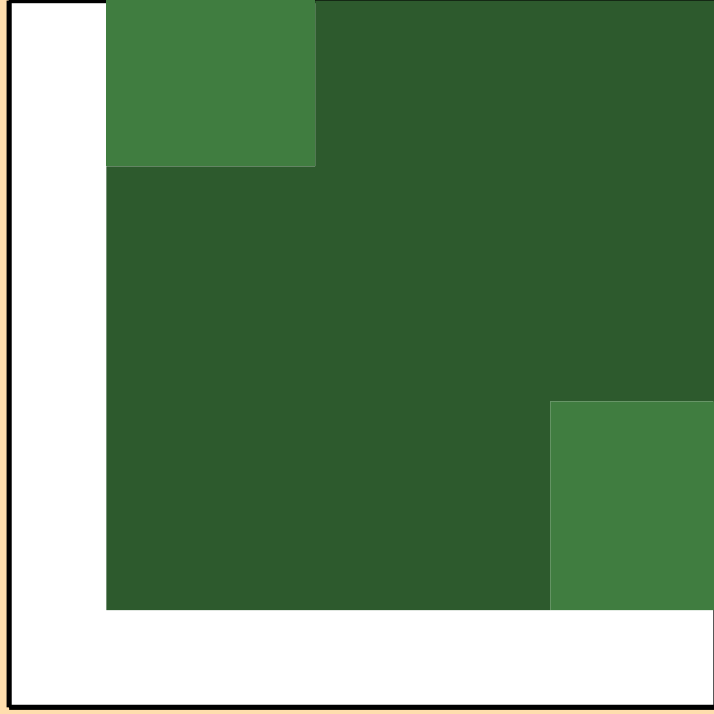
Abscissa scales are energy (eV).

σ vs. E for $^{34}\text{S}(n,np)$



10^7

10^7



Correlation Matrix



$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,nd)$

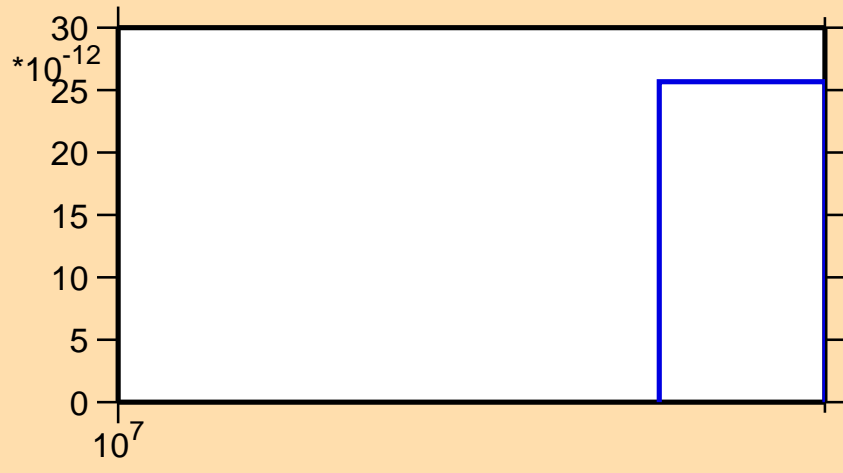


Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

Warning: some uncertainty data were suppressed.

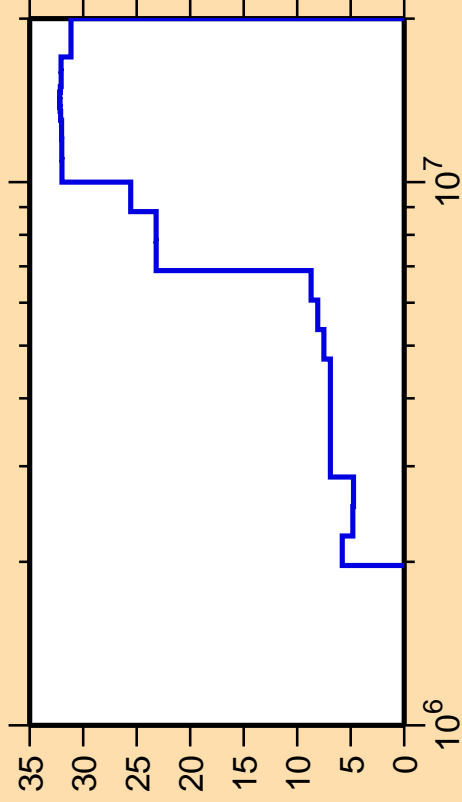
σ vs. E for $^{34}\text{S}(n,nd)$



Correlation Matrix



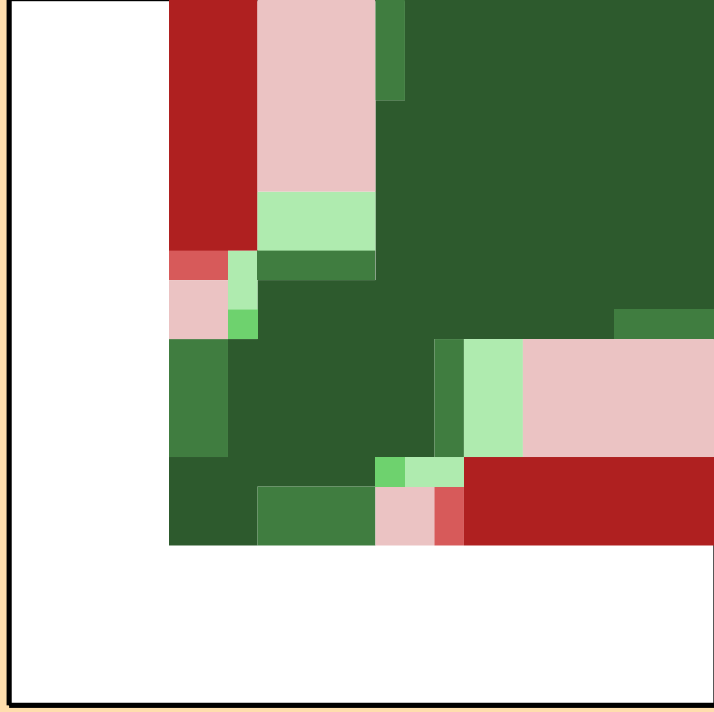
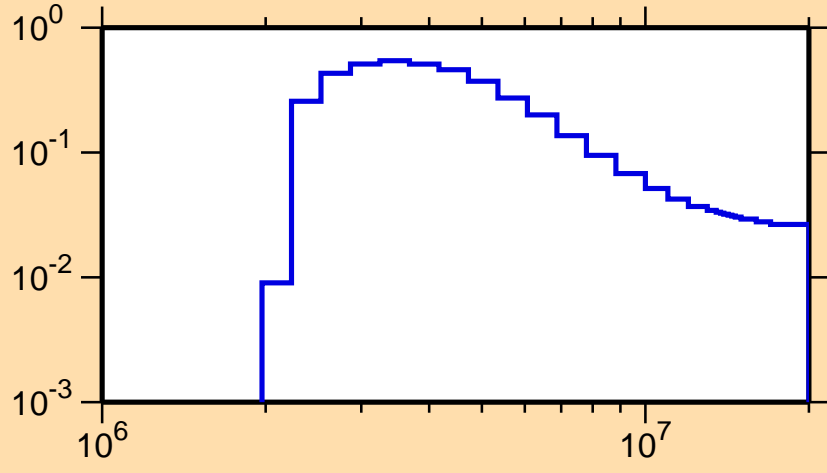
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n_1)$



Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

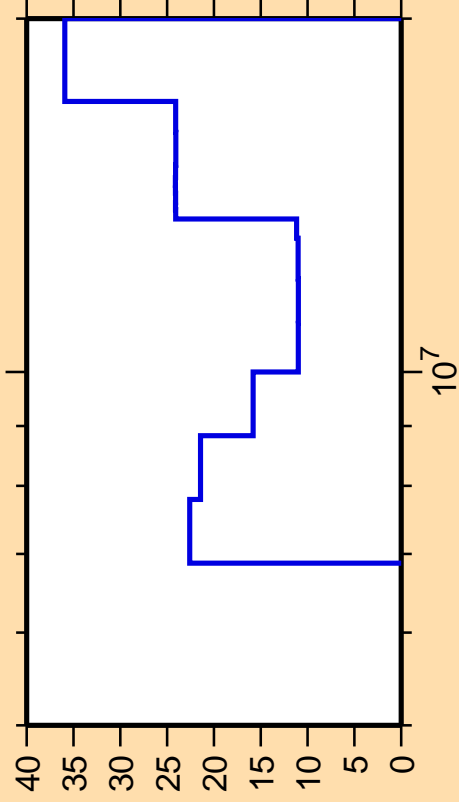
σ vs. E for $^{34}\text{S}(n,n_1)$



Correlation Matrix



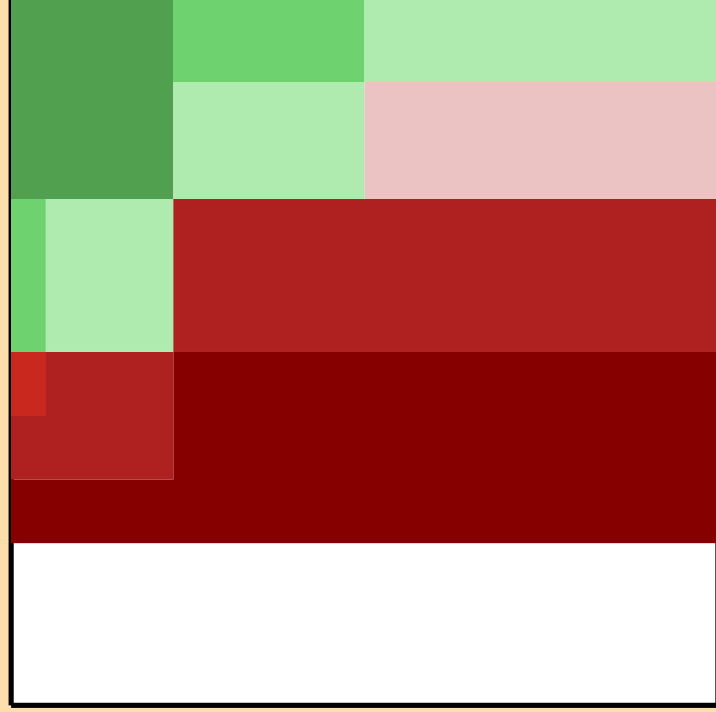
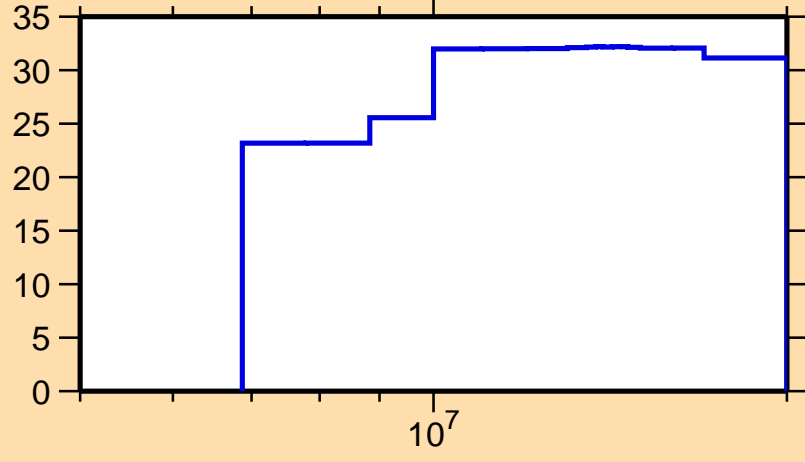
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n_{\text{cont}})$



Ordinate scale is %
relative standard deviation.

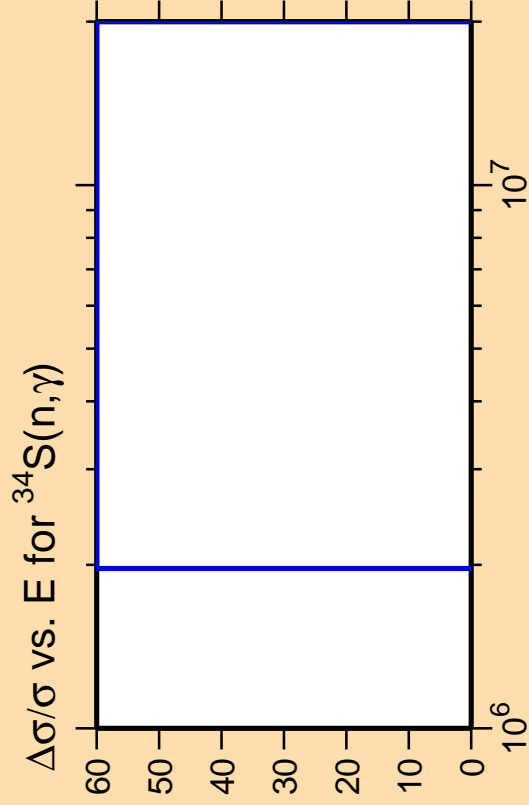
Abscissa scales are energy (eV).

$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n, n_1)$



Correlation Matrix

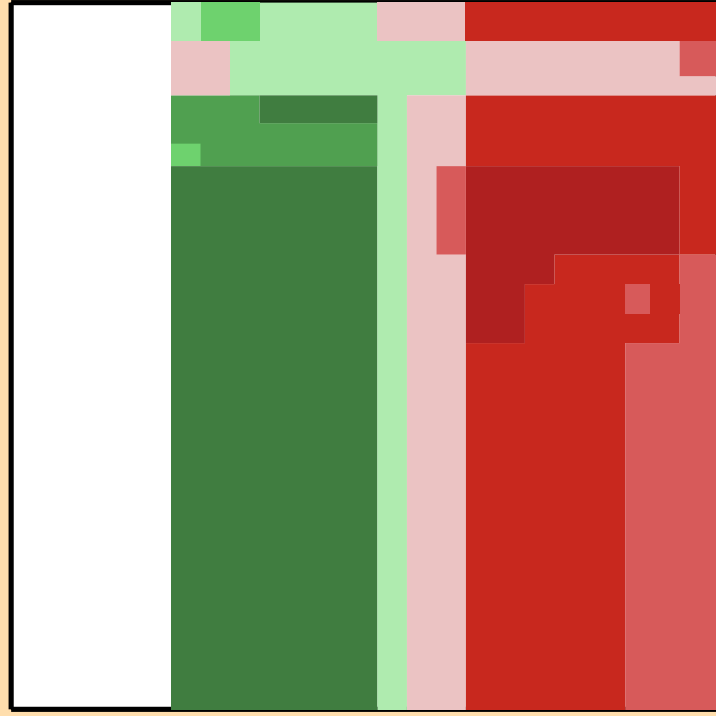
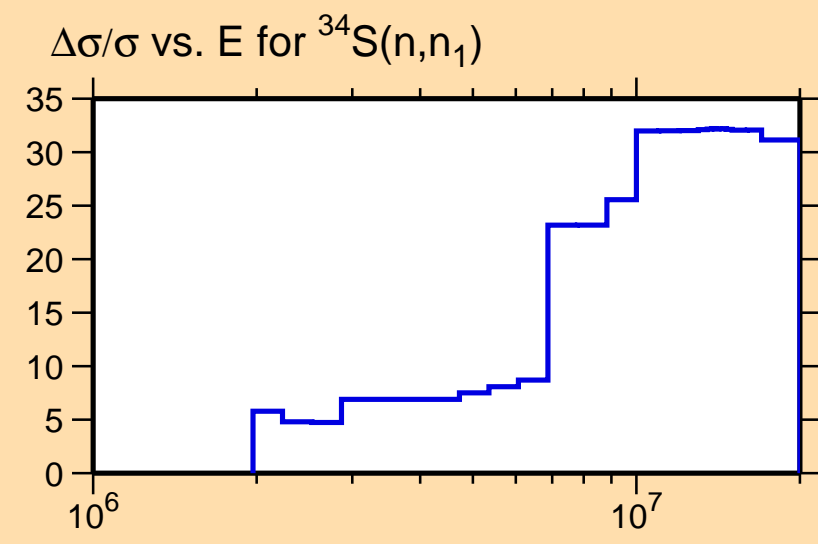




Ordinate scale is %
relative standard deviation.

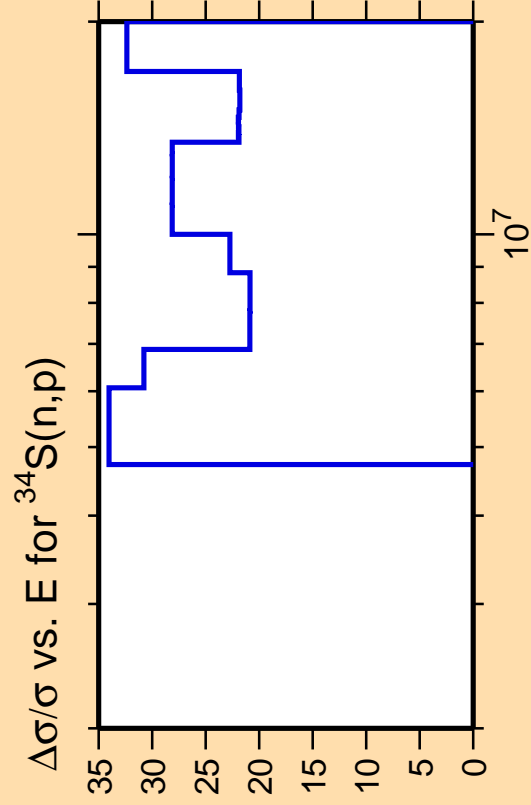
Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.

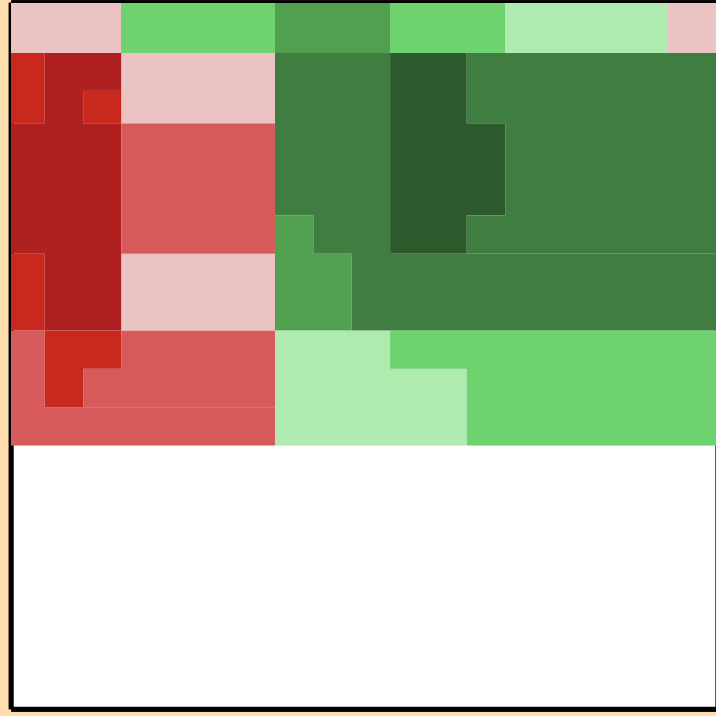
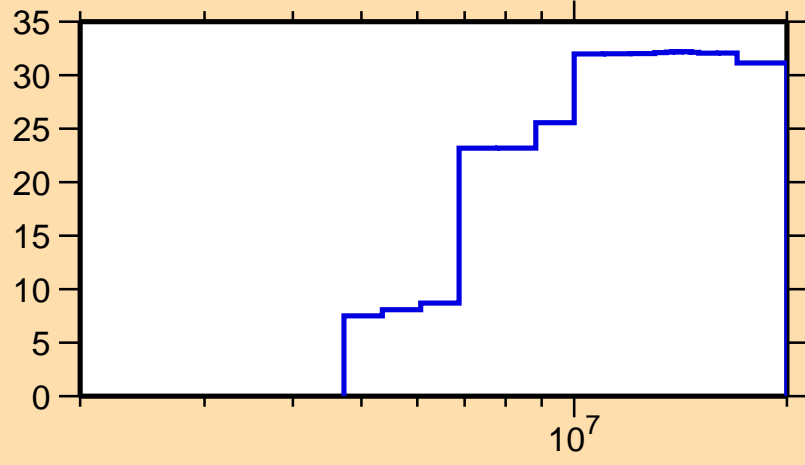


Correlation Matrix

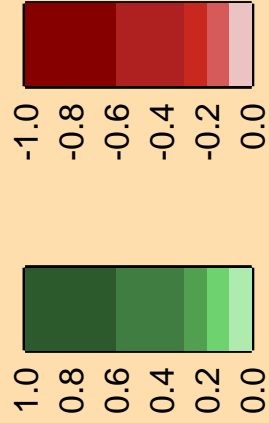


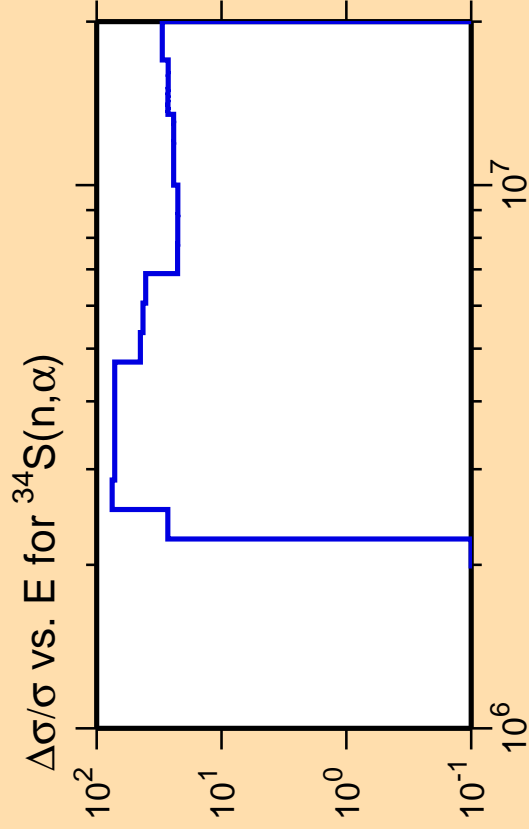


$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n_1)$



Correlation Matrix



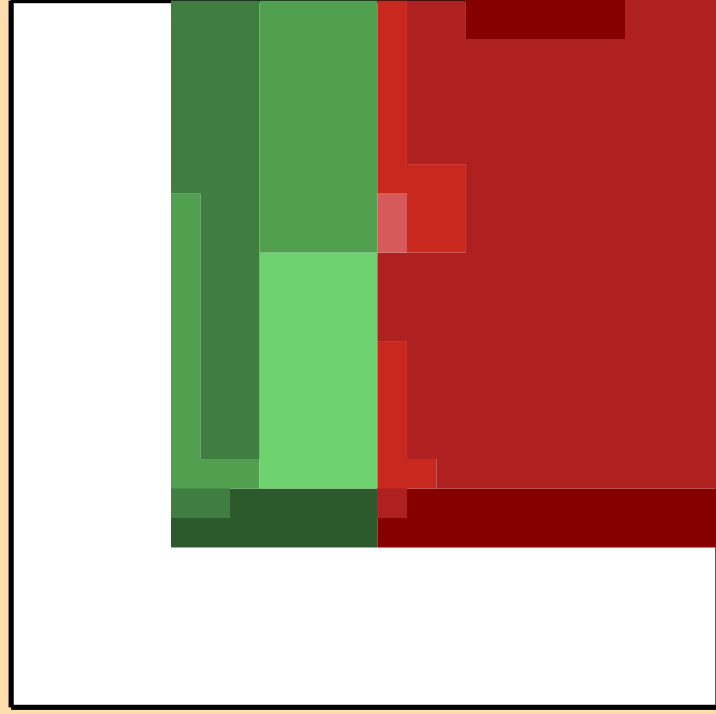
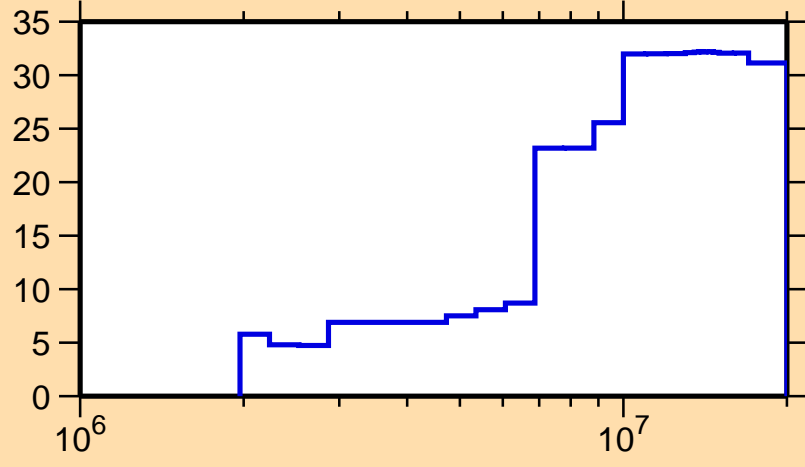


Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.

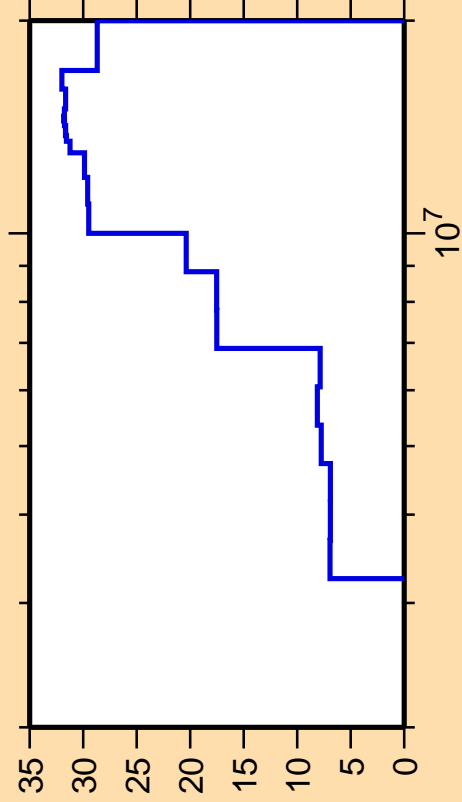
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n_1)$



Correlation Matrix



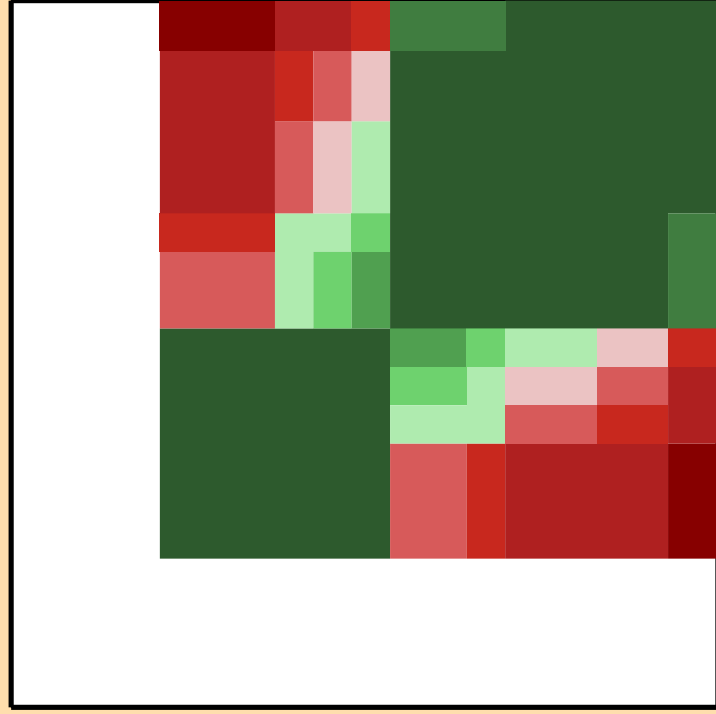
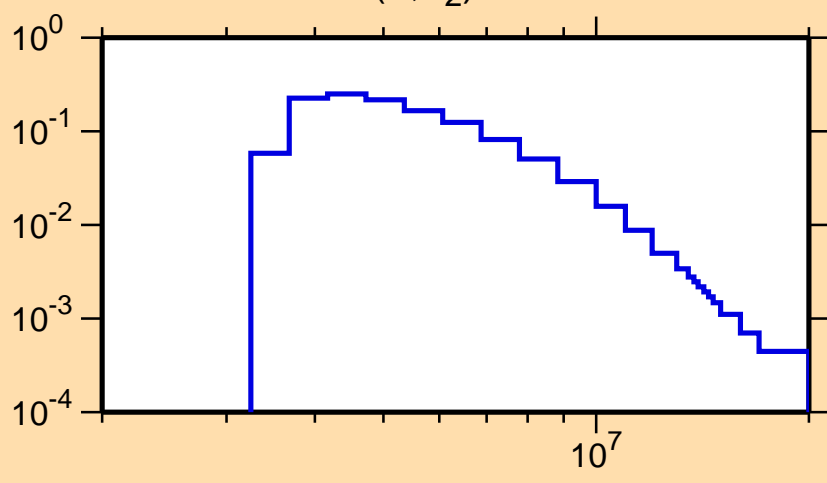
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n_2)$



Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

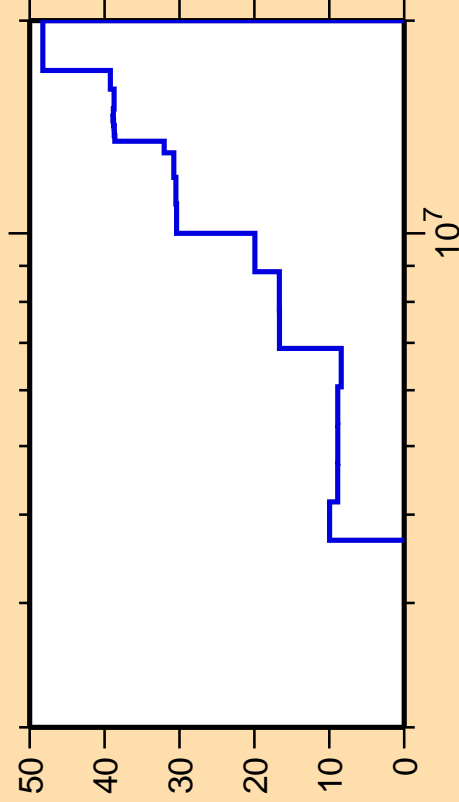
σ vs. E for $^{34}\text{S}(n,n_2)$



Correlation Matrix



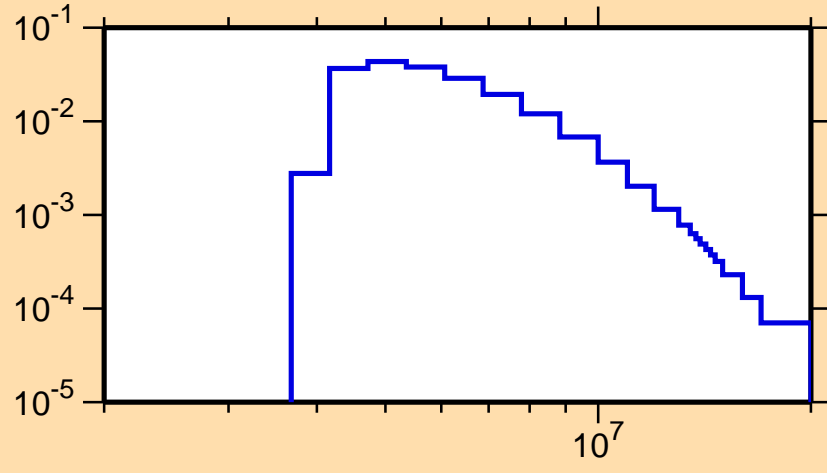
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n_3)$



Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

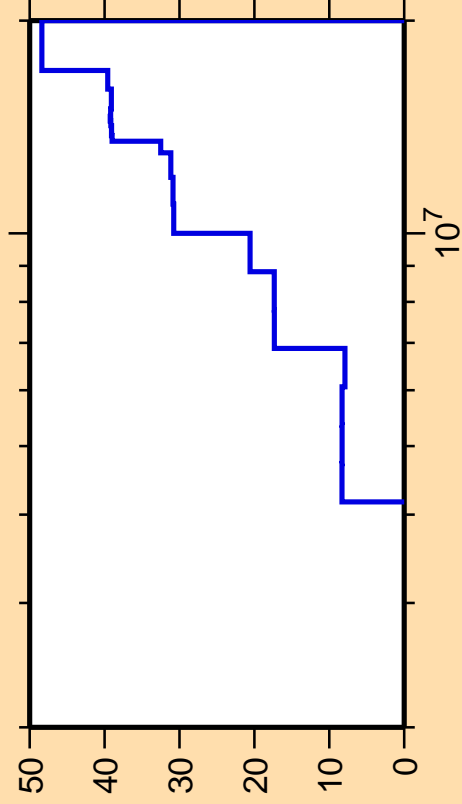
σ vs. E for $^{34}\text{S}(n,n_3)$



Correlation Matrix



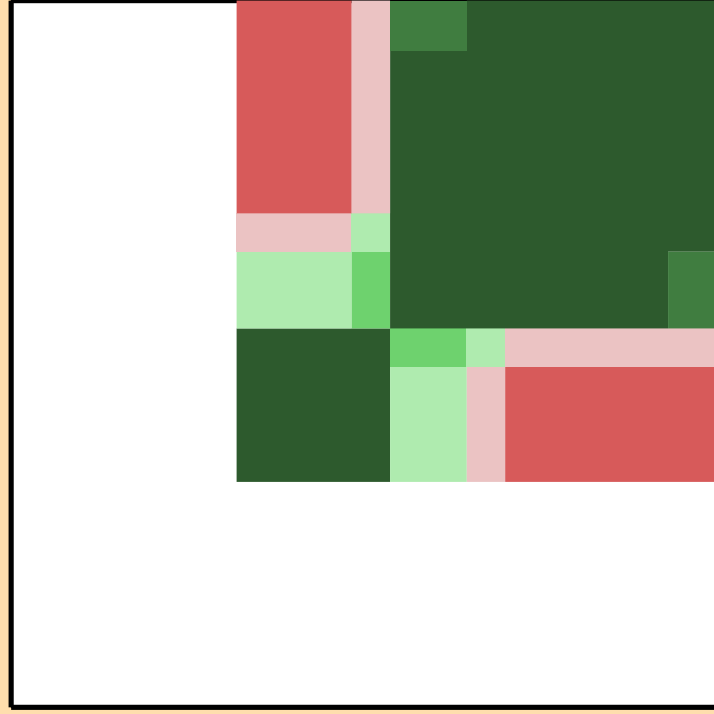
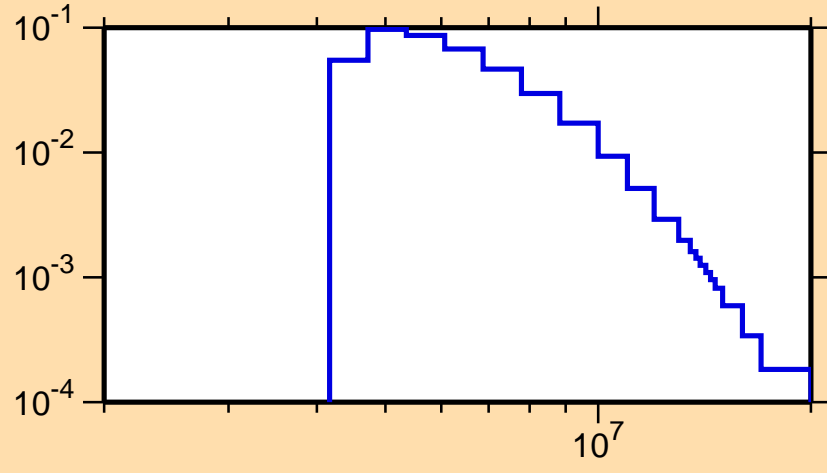
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n_4)$



Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

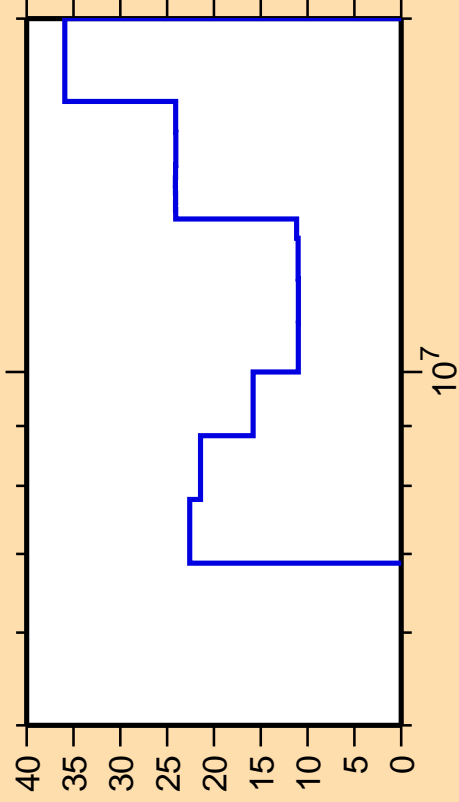
σ vs. E for $^{34}\text{S}(n,n_4)$



Correlation Matrix



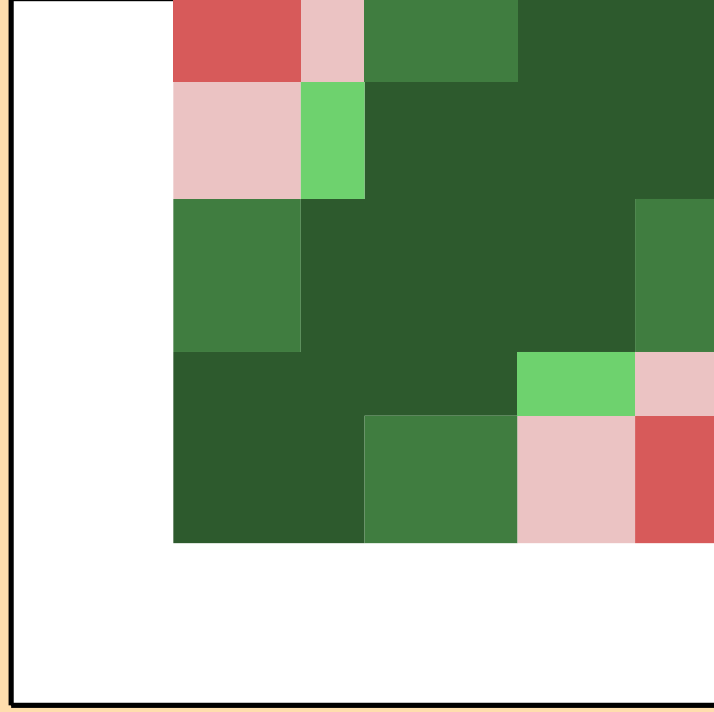
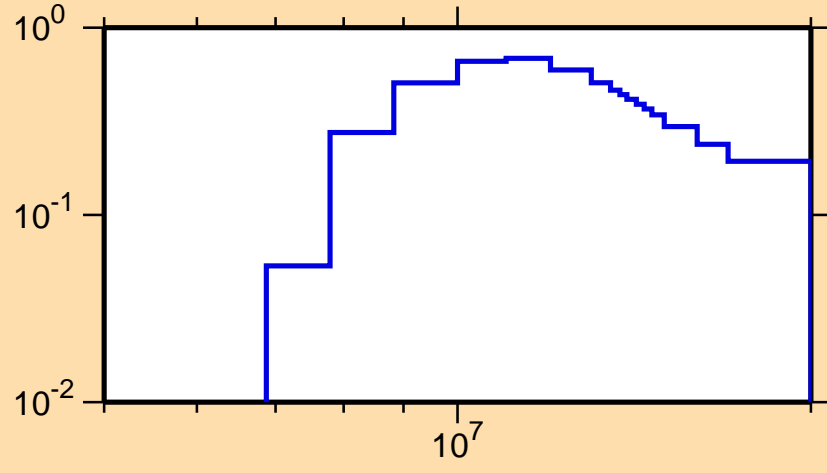
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n\text{cont.})$



Ordinate scales are % relative standard deviation and barns.

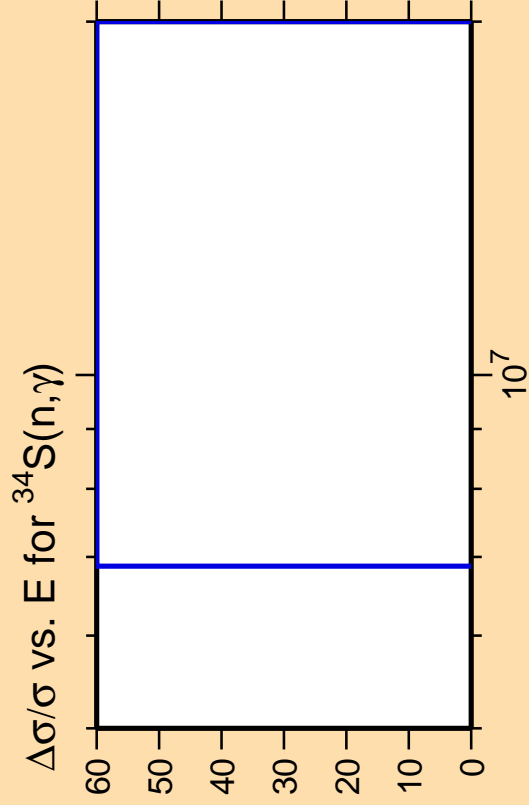
Abscissa scales are energy (eV).

σ vs. E for $^{34}\text{S}(n,n\text{cont.})$



Correlation Matrix

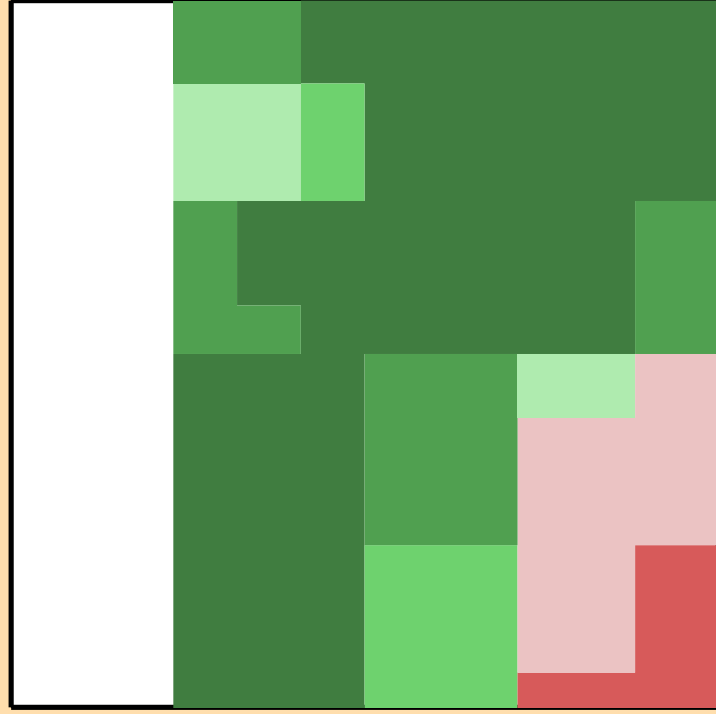
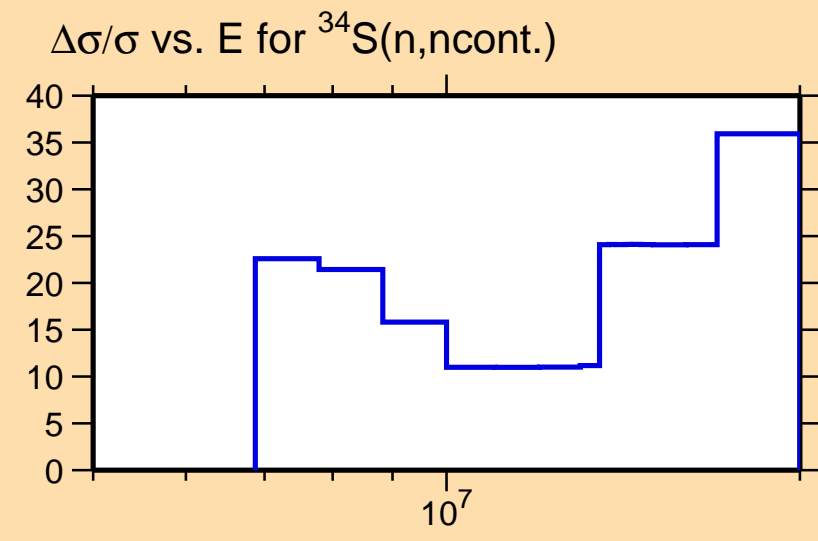




Ordinate scale is %
relative standard deviation.

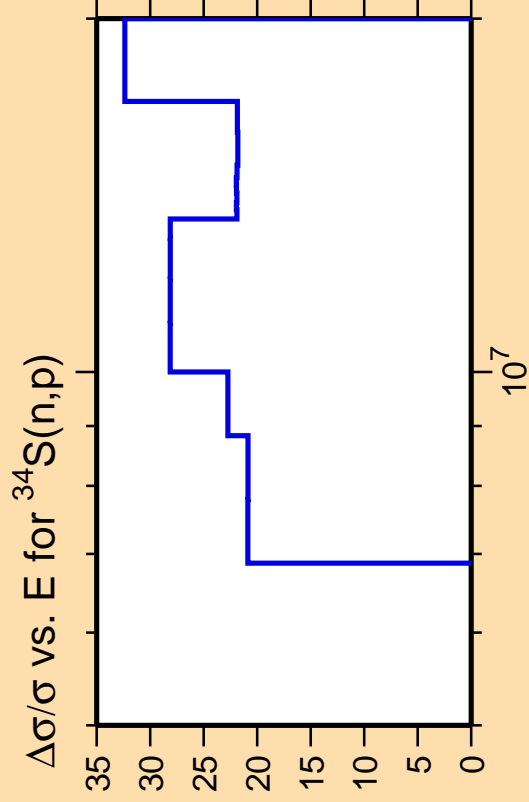
Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.



Correlation Matrix

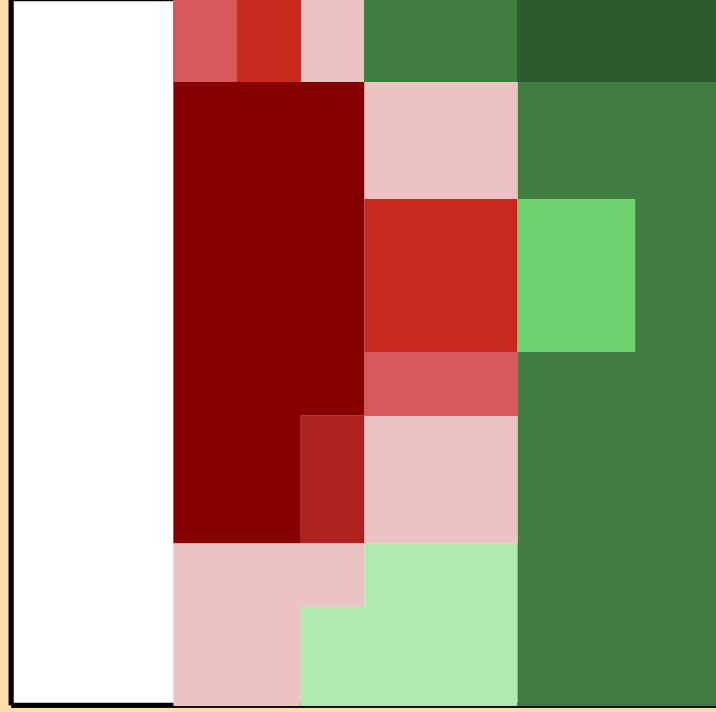
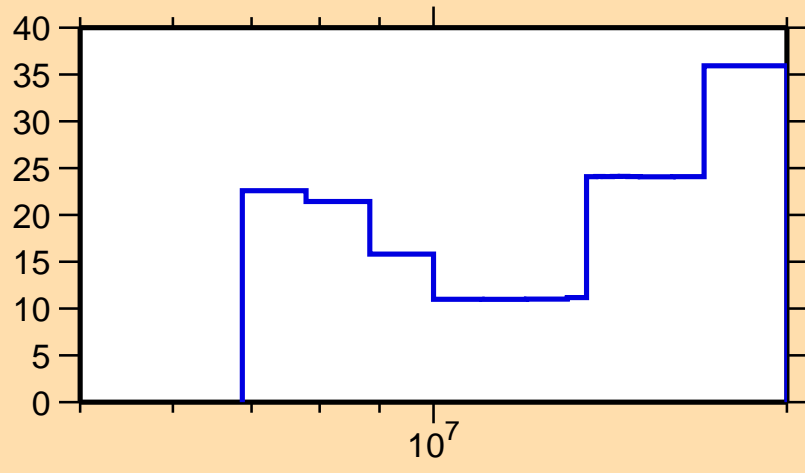




Ordinate scale is %
relative standard deviation.

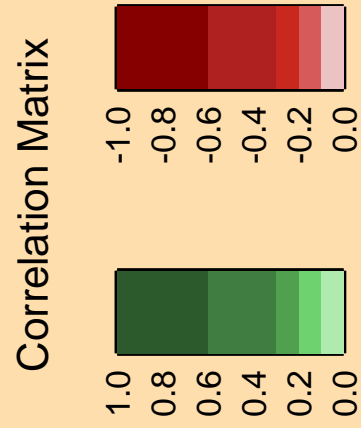
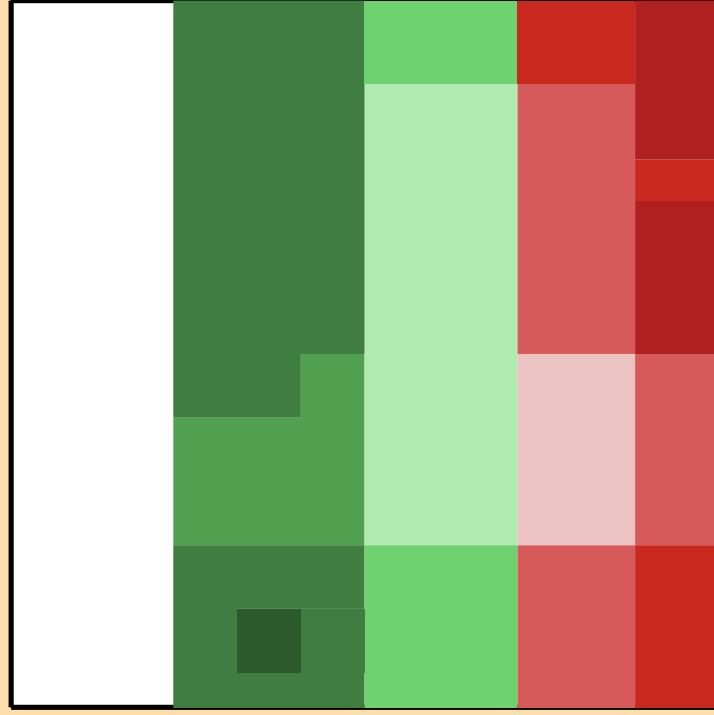
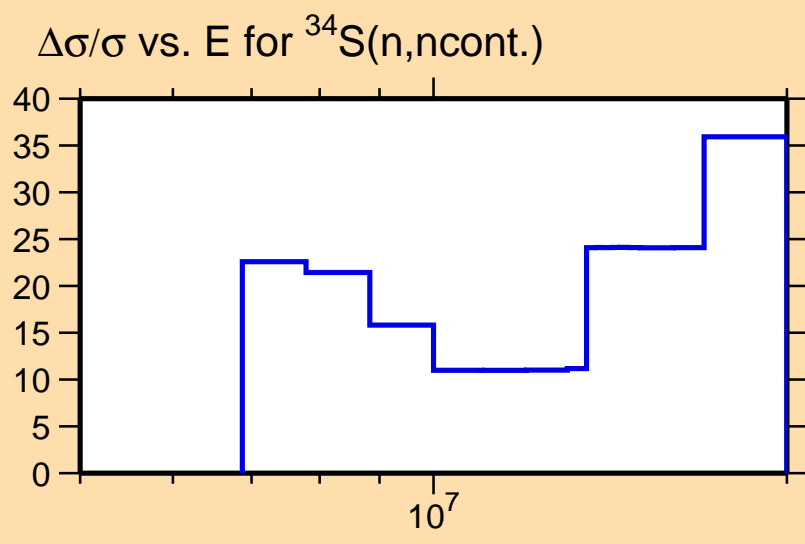
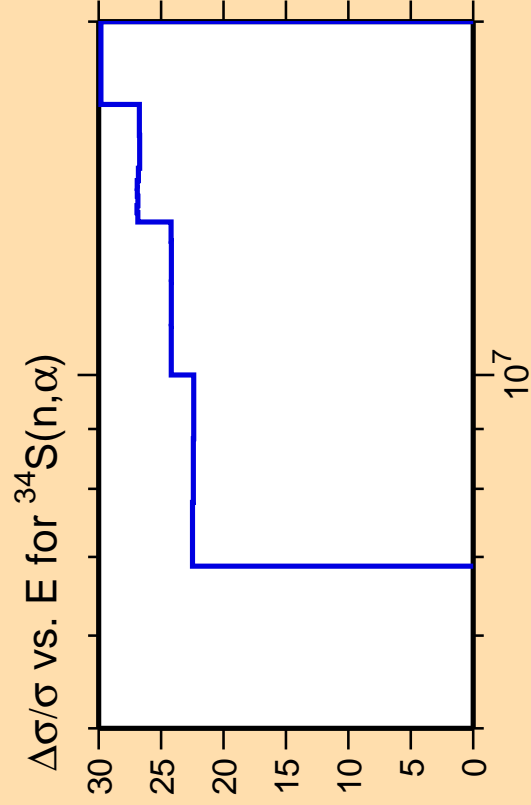
Abscissa scales are energy (eV).

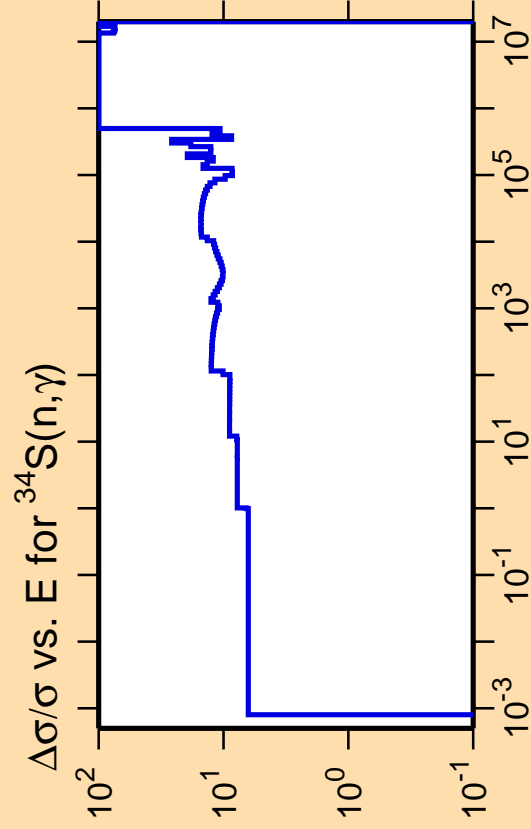
$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,n\text{cont.})$



Correlation Matrix





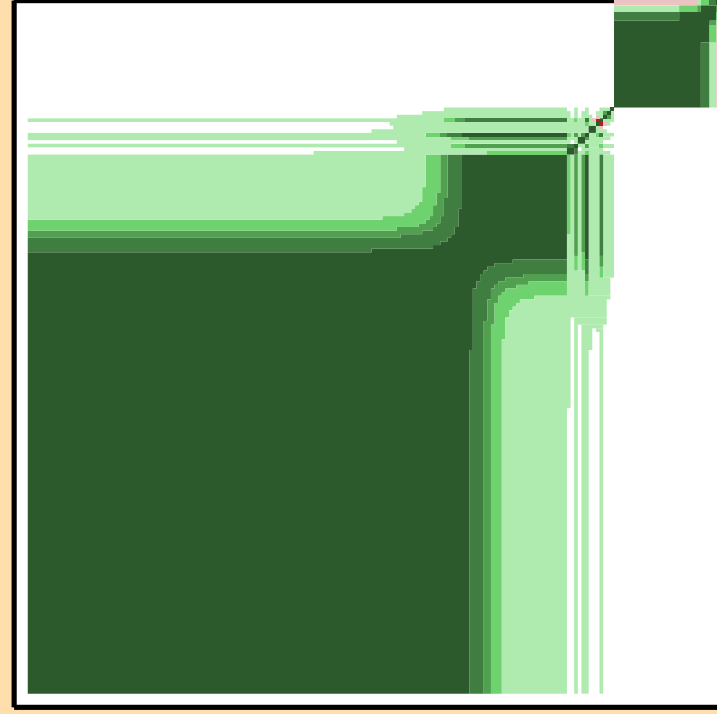
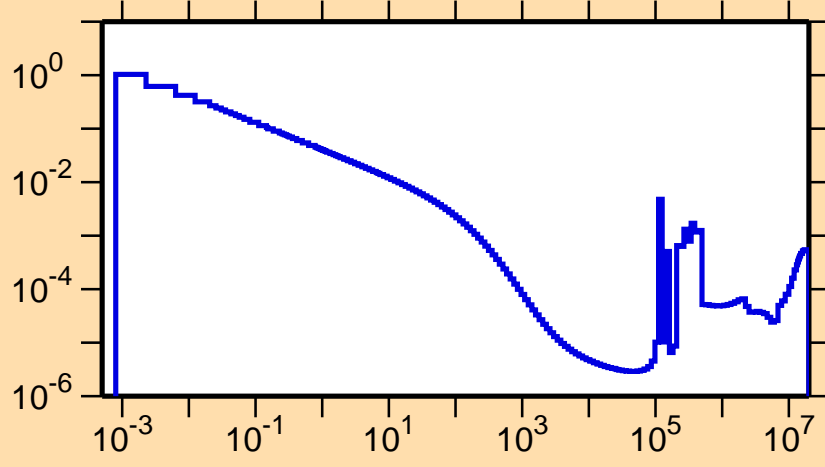


Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

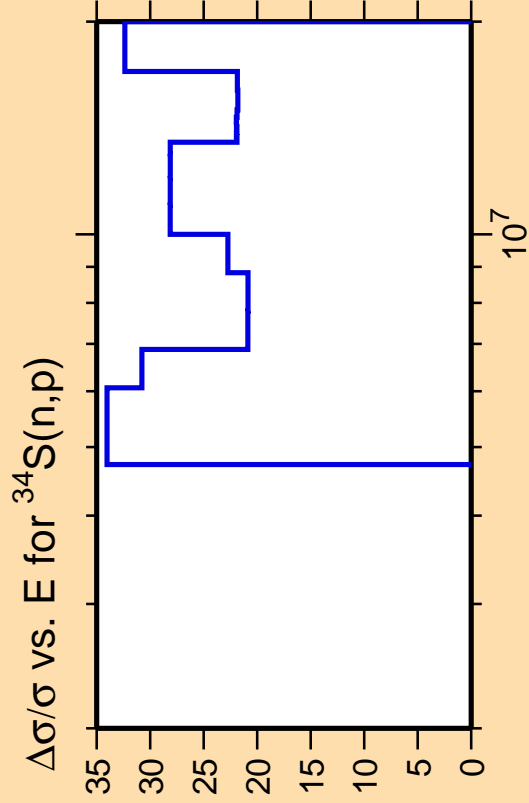
Warning: some uncertainty data were suppressed.

σ vs. E for $^{34}\text{S}(n,\gamma)$



Correlation Matrix

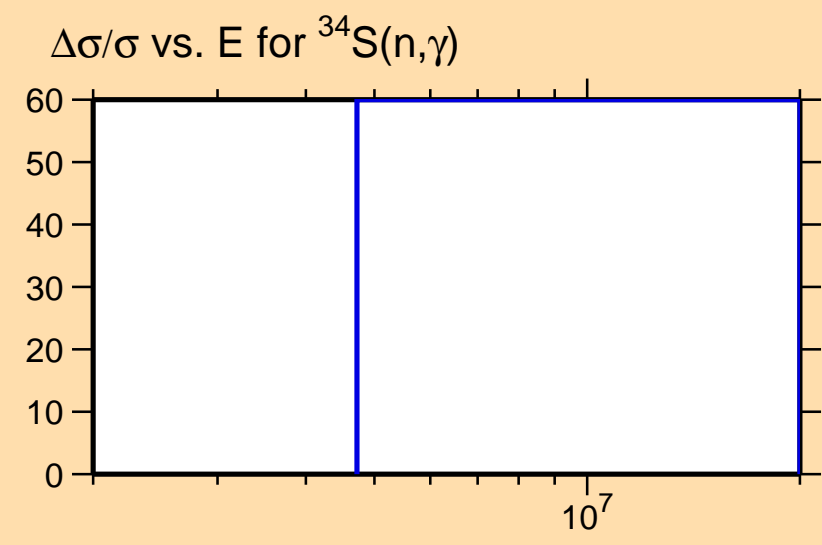


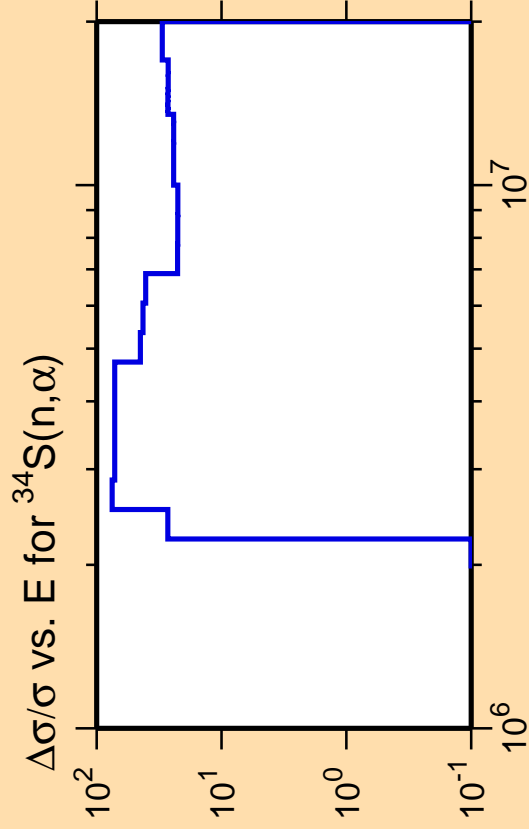


Ordinate scale is %
relative standard deviation.

Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.

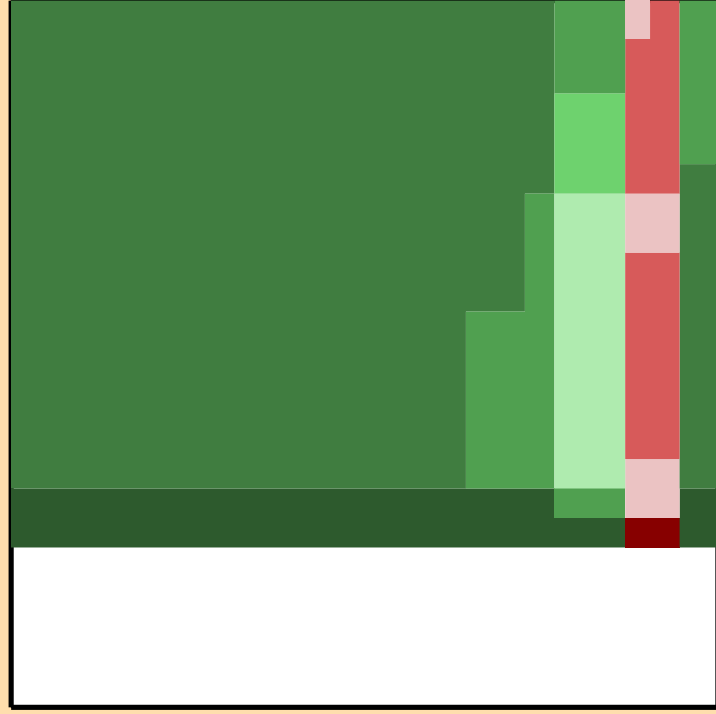
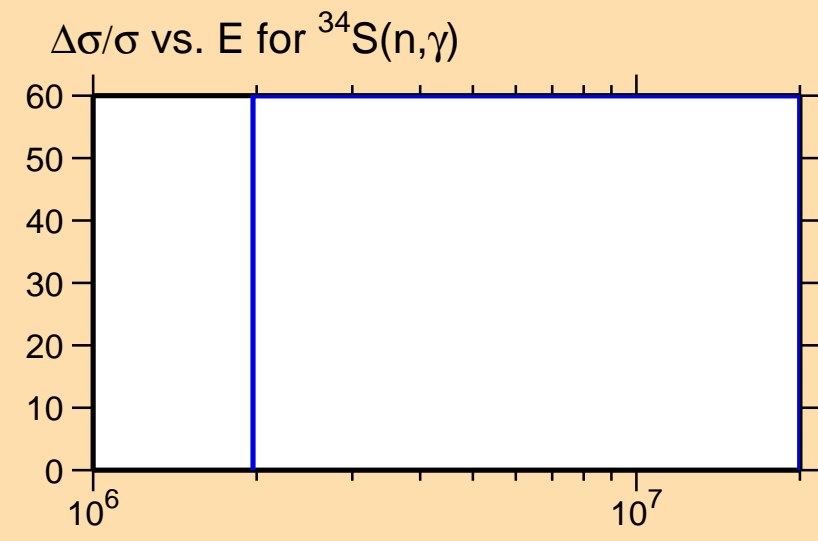




Ordinate scale is %
relative standard deviation.

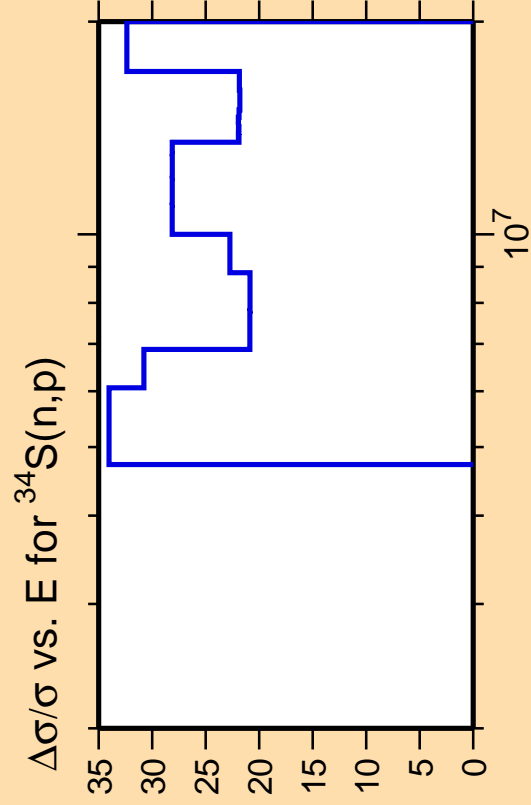
Abscissa scales are energy (eV).

Warning: some uncertainty
data were suppressed.



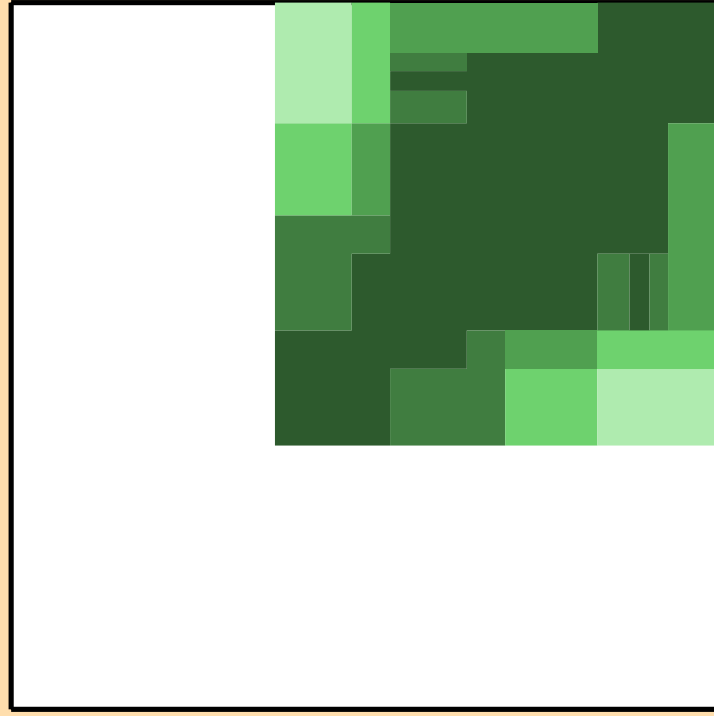
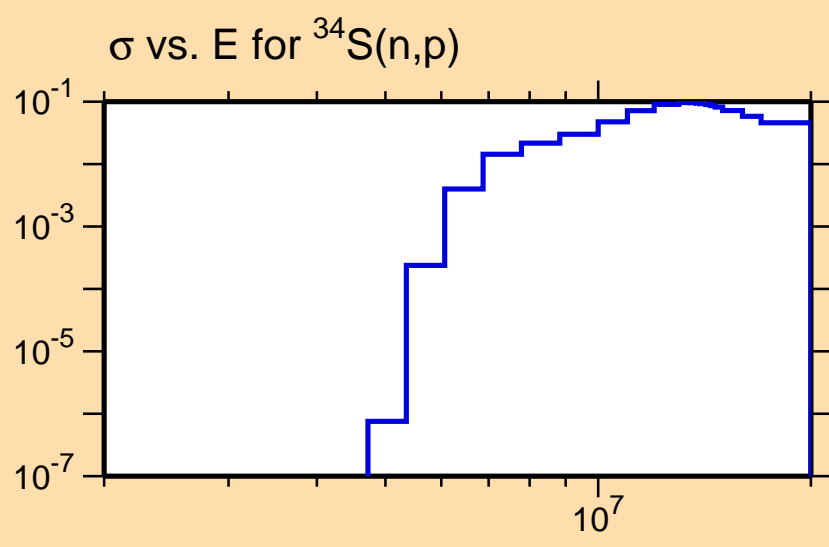
Correlation Matrix





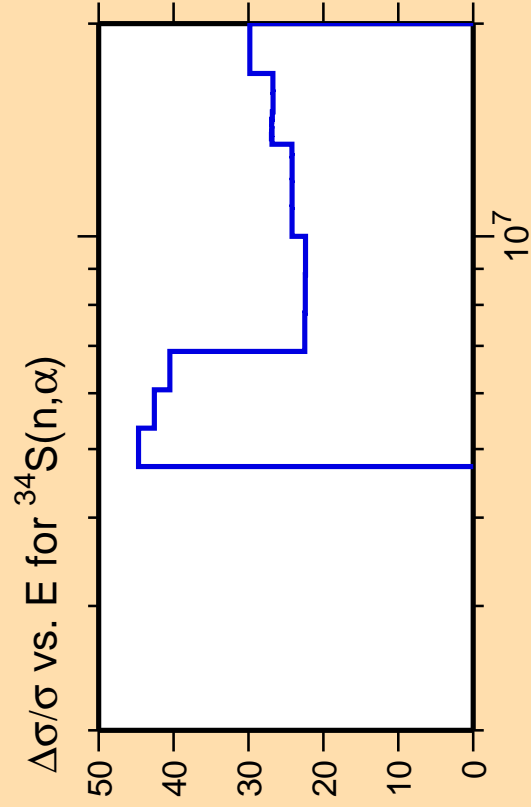
Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).



Correlation Matrix

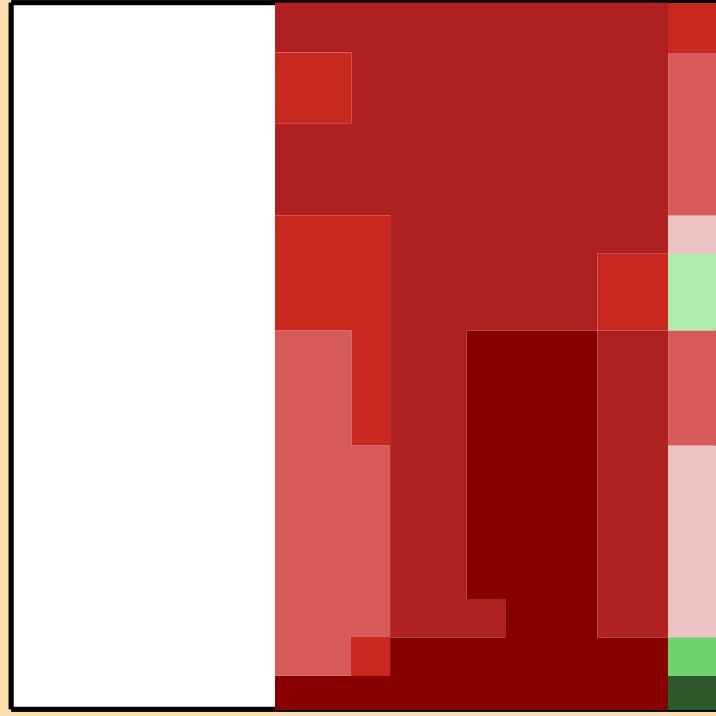
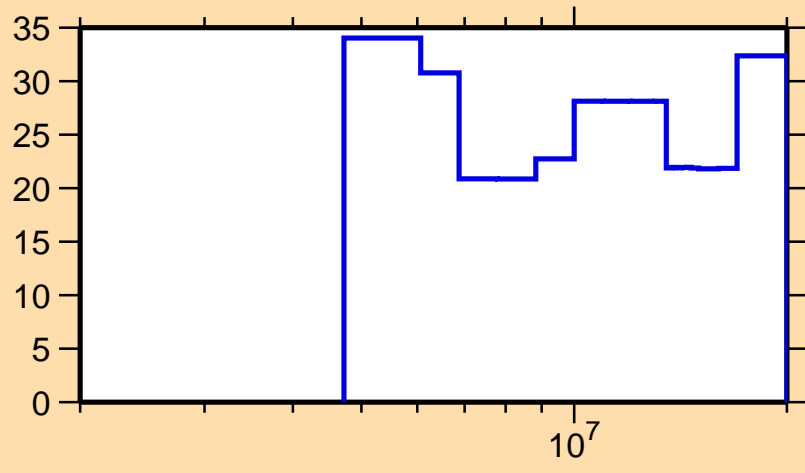




Ordinate scale is %
relative standard deviation.

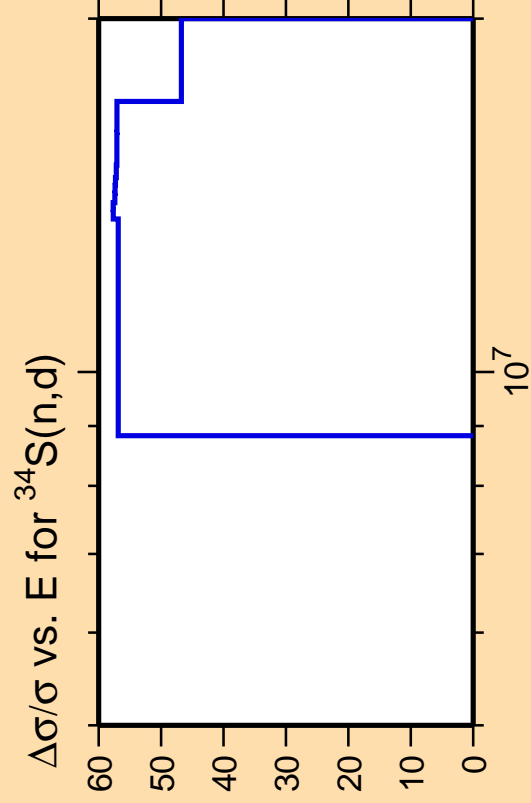
Abcissa scales are energy (eV).

$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,p)$



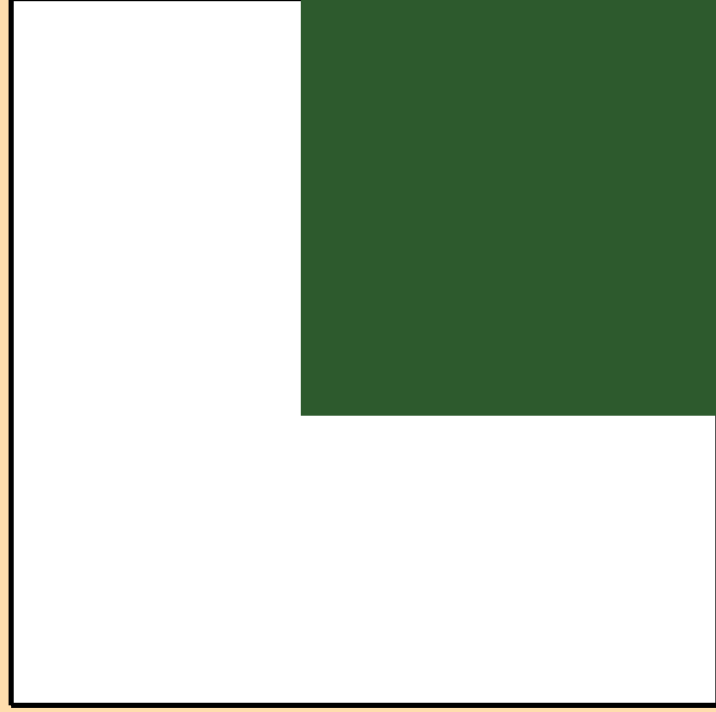
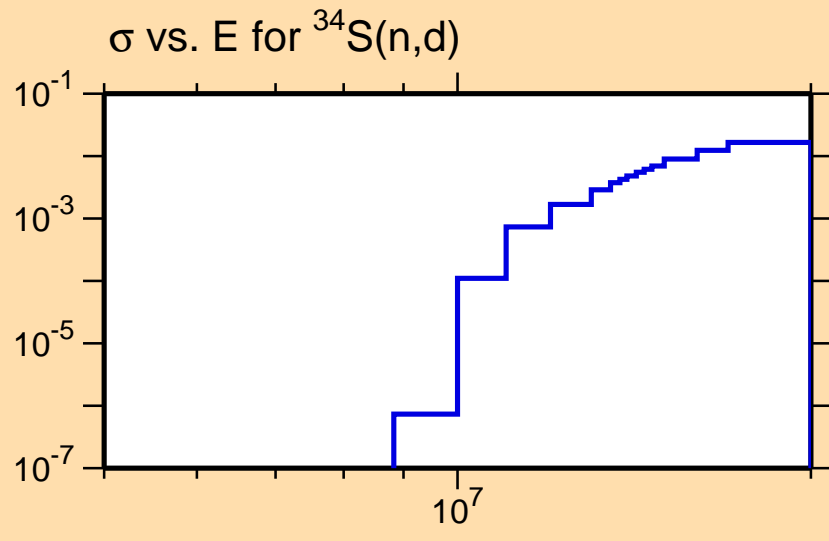
Correlation Matrix





Ordinate scales are % relative standard deviation and barns.

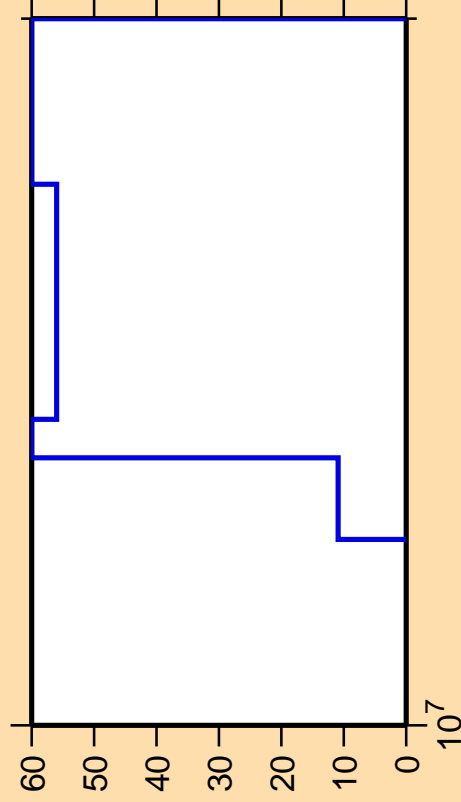
Abscissa scales are energy (eV).



Correlation Matrix



$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,t)$

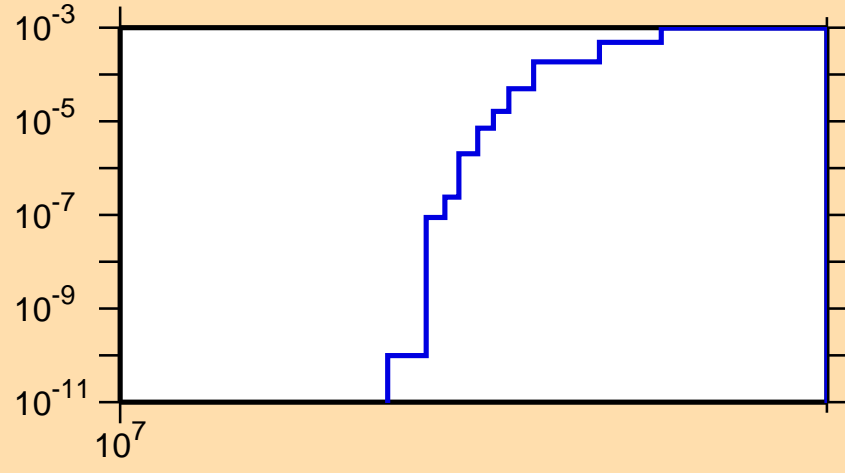


Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

Warning: some uncertainty data were suppressed.

σ vs. E for $^{34}\text{S}(n,t)$



10^7

10^{-11}

10^{-9}

10^{-7}

10^{-5}

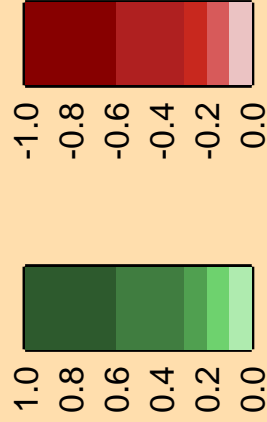
10^{-3}

10^7

10^8

10^9

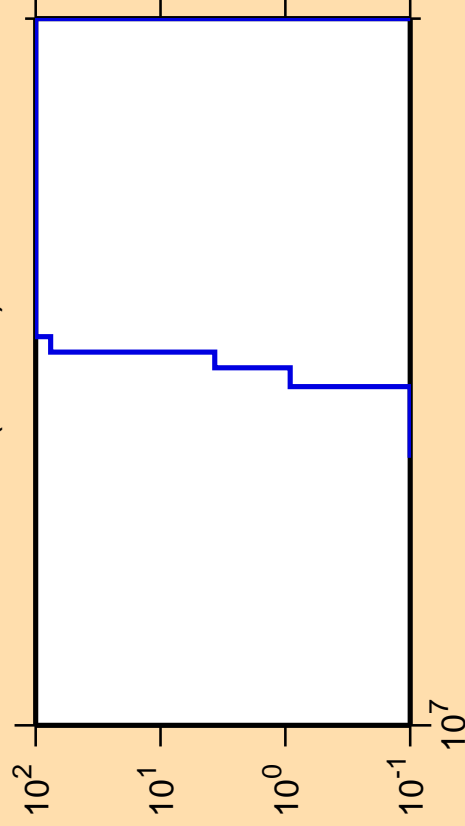
Correlation Matrix



1.0
0.8
0.6
0.4
0.2
0.0

-1.0
-0.8
-0.6
-0.4
-0.2
0.0

$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,\text{He}3)$

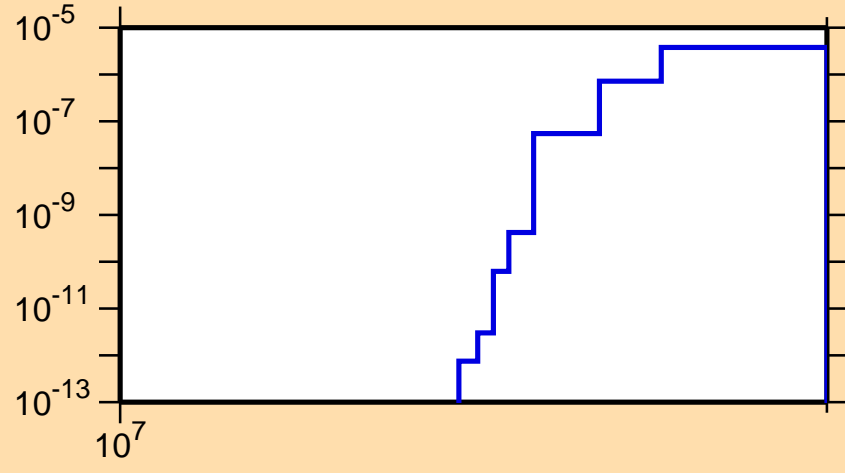


Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

Warning: some uncertainty data were suppressed.

σ vs. E for $^{34}\text{S}(n,\text{He}3)$



10^7

10^{-5}

10^{-7}

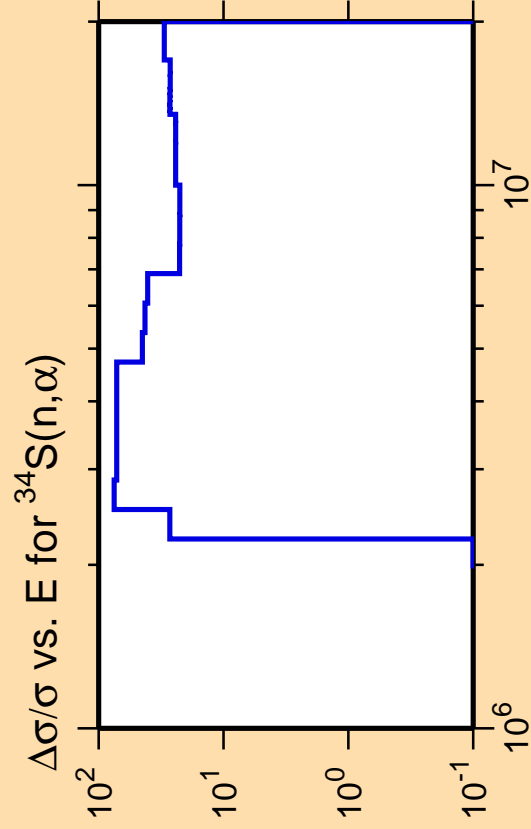
10^{-9}

10^{-11}

10^{-13}

Correlation Matrix

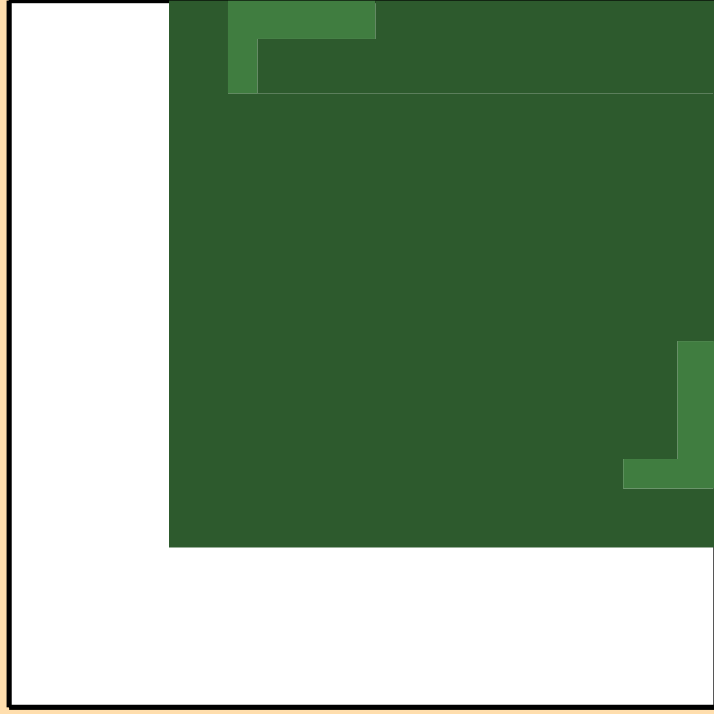
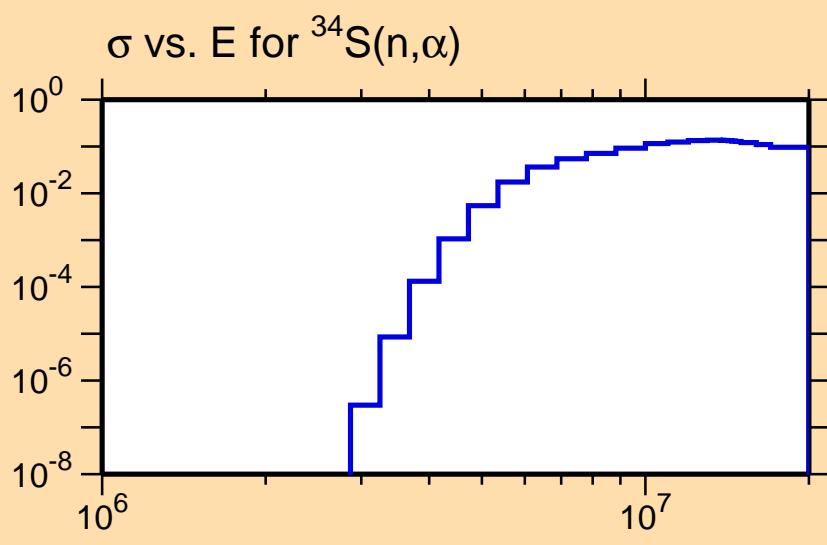




Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

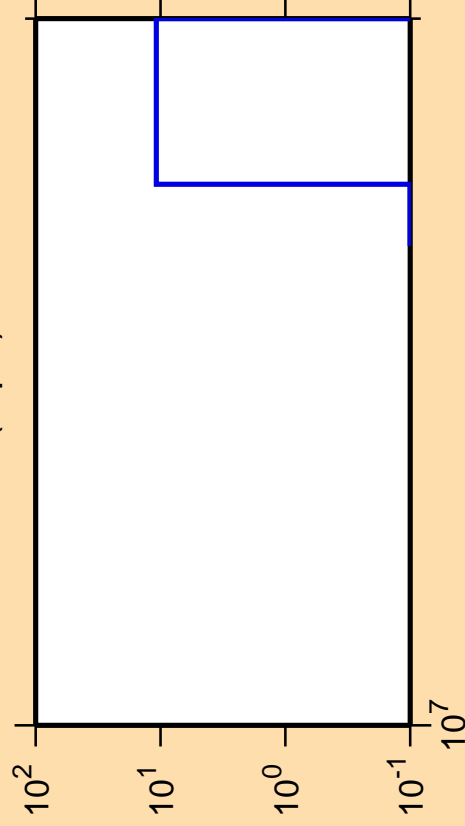
Warning: some uncertainty data were suppressed.



Correlation Matrix



$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,p\alpha)$

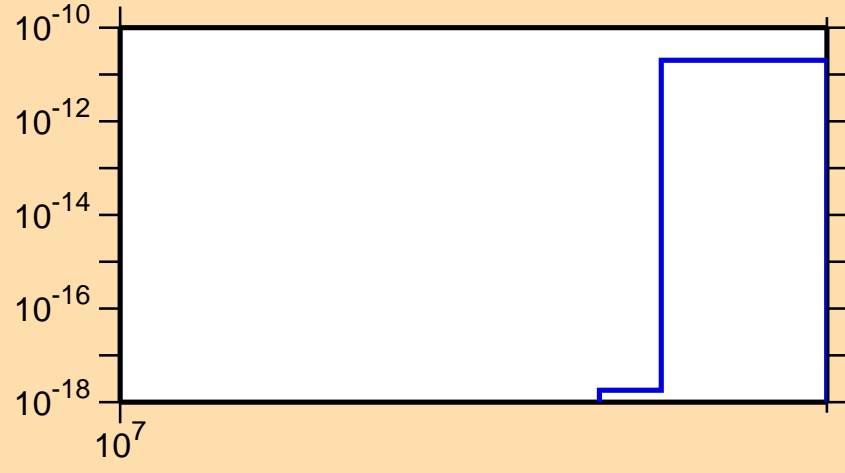


Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

Warning: some uncertainty data were suppressed.

σ vs. E for $^{34}\text{S}(n,p\alpha)$



10^7

10^{-10}

10^{-12}

10^{-14}

10^{-16}

10^{-18}

10^{-10}

10^{-12}

10^{-14}

10^{-16}

10^{-18}

10^7

10^8

10^9

10^{10}

10^{11}

10^{12}

10^{13}

10^{14}

10^{15}

10^{16}

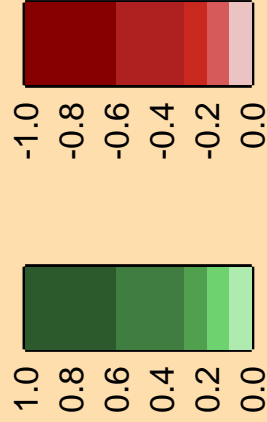
10^{17}

10^{18}

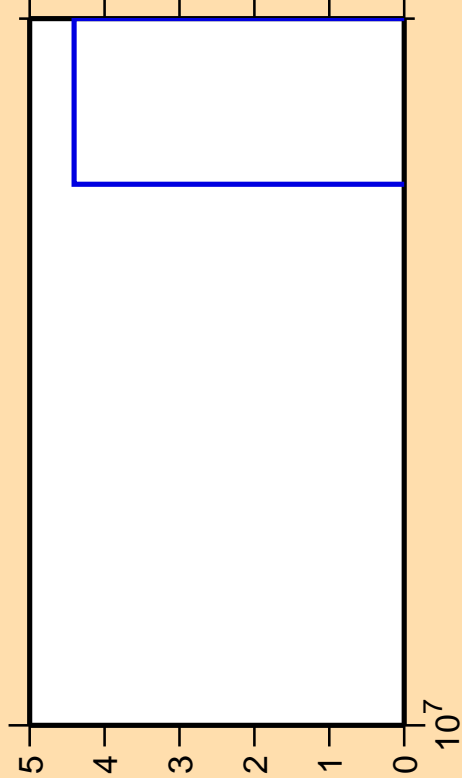
10^{19}

10^{20}

Correlation Matrix



$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(n,pd)$



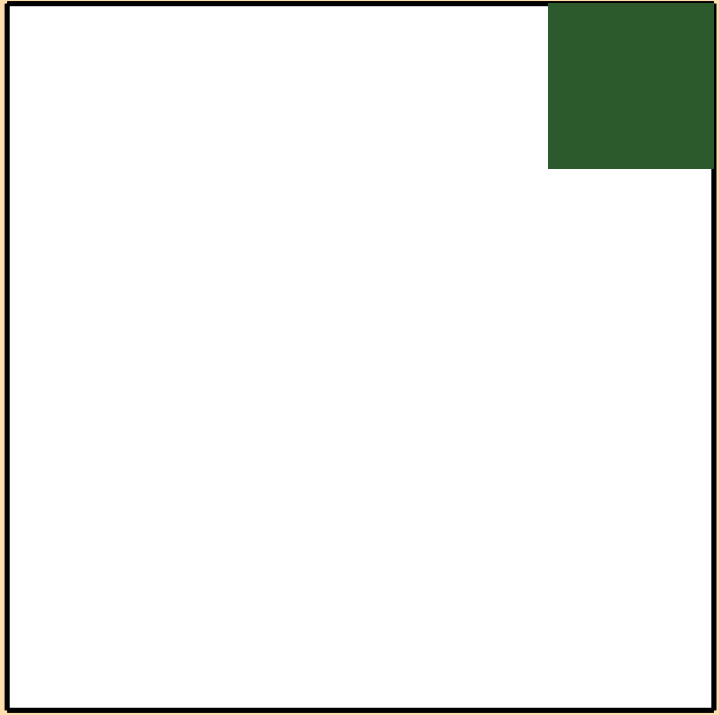
Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

σ vs. E for $^{34}\text{S}(n,pd)$



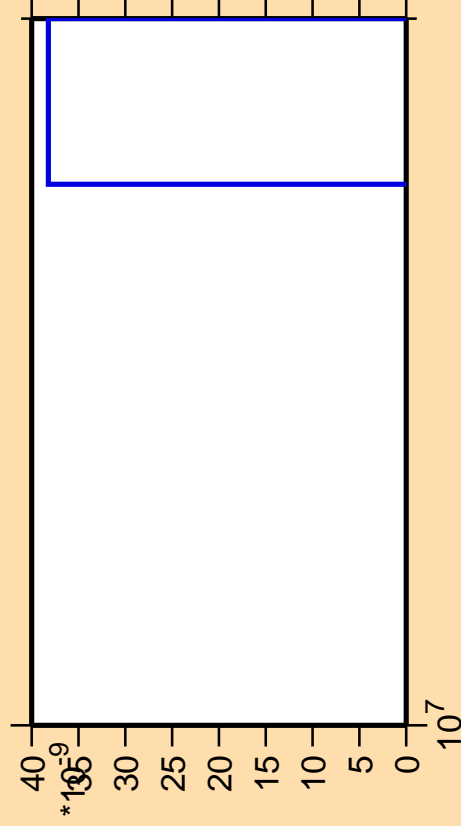
10^7



Correlation Matrix



$\Delta\sigma/\sigma$ vs. E for $^{34}\text{S}(\text{mt117})$



Ordinate scales are % relative standard deviation and barns.

Abscissa scales are energy (eV).

σ vs. E for $^{34}\text{S}(\text{mt117})$



Correlation Matrix

