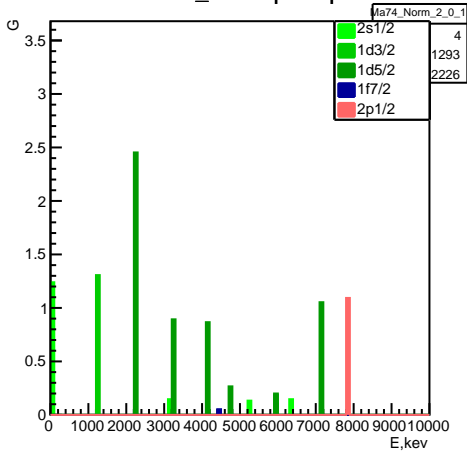
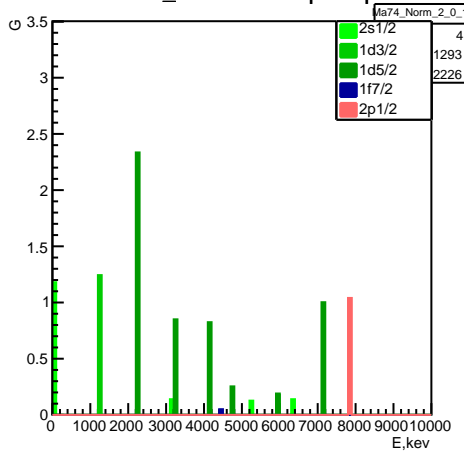


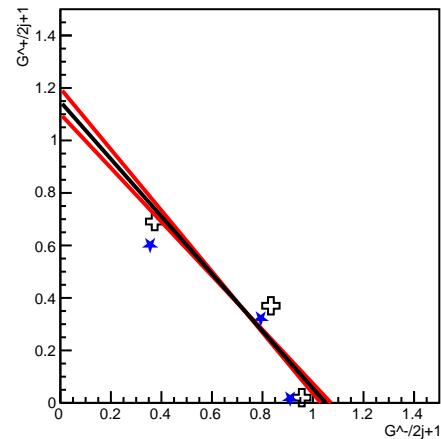
Ma74\_Norm pickup



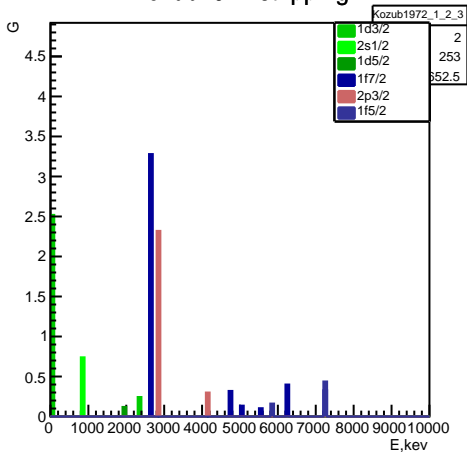
Ma74\_Norm norm. pickup



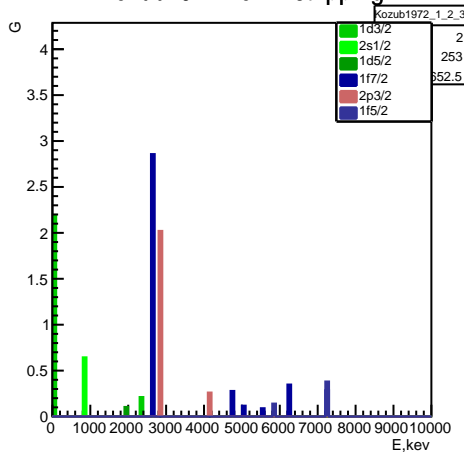
Fit graph



Kozub1972 stripping



Kozub1972 norm. stripping



Experiment: Ma74\_Norm (14) Kozub1972 (14)

$n^+ G^{++} + n^- G^{*-} = 1$  equations:

$2s1/2$ :  $n^+ 0.37 + n^- 0.833333 = 1$

$1d3/2$ :  $n^+ 0.691 + n^- 0.373333 = 1$

$1d5/2$ :  $n^+ 0.02 + n^- 0.955556 = 1$

Normalization of 3 subshells result:

$n^+ = 0.871347 \pm 0$  (for stripping)

$n^- = 0.951833 \pm 0$  (for pick-up)

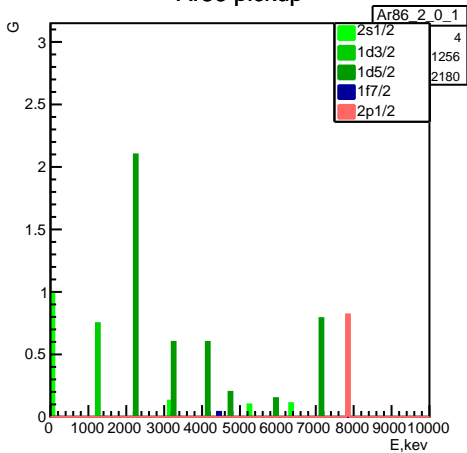
$2s1/2$   $G^+, G^-$ :  $0.74 \rightarrow 0.644797$   $1.66667 \rightarrow 1.5863$

$1d3/2$   $G^+, G^-$ :  $2.764 \rightarrow 2.4084$   $1.49333 \rightarrow 1.4214$

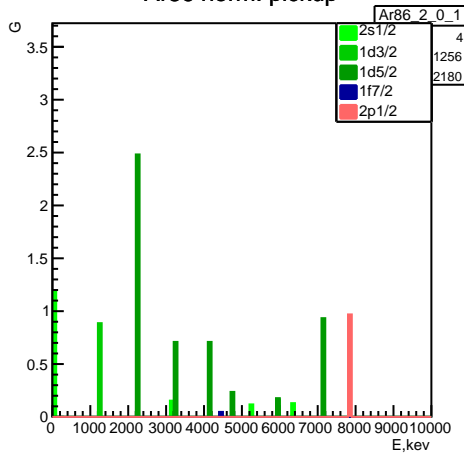
$1d5/2$   $G^+, G^-$ :  $0.12 \rightarrow 0.104562$   $5.73333 \rightarrow 5.4571$

$1f7/2$   $G^+, G^-$ :  $4.568 \rightarrow 3.98031$   $0.0533333 \rightarrow 0.05$

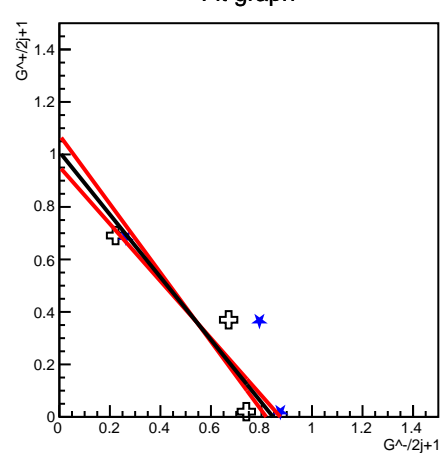
Ar86 pickup



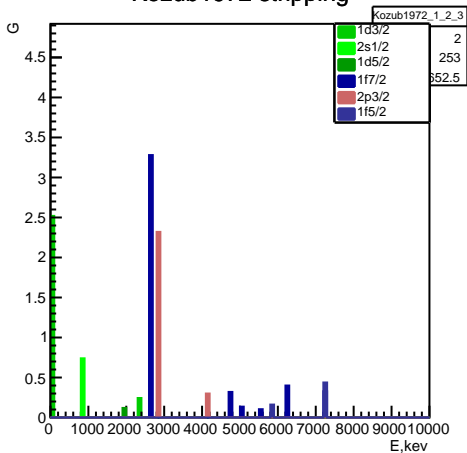
Ar86 norm. pickup



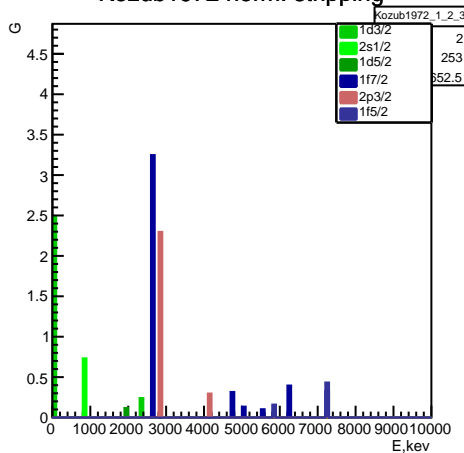
Fit graph



Kozub1972 stripping



Kozub1972 norm. stripping



Experiment: Ar86 (14) Kozub1972 (14)

$n^+ G^{++} + n^- G^{*-} = 1$  equations:

$2s1/2$ :  $n^+ 0.37 + n^- 0.67 = 1$

$1d3/2$ :  $n^+ 0.691 + n^- 0.2225 = 1$

$1d5/2$ :  $n^+ 0.02 + n^- 0.74 = 1$

Normalization of 3 subshells result:

$n^+ = 0.990101 \pm 0$  (for stripping)

$n^- = 1.18205 \pm 0$  (for pick-up)

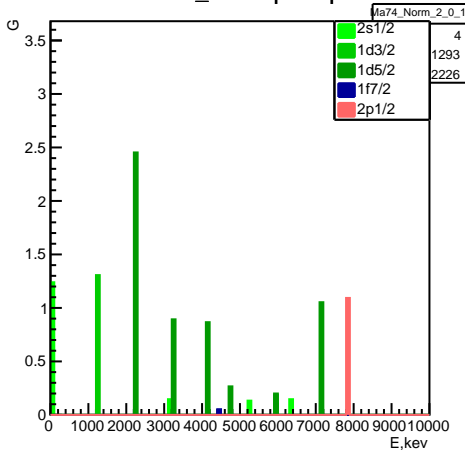
$2s1/2$   $G^+, G^-$ :  $0.74 \rightarrow 0.732675$   $1.34 \rightarrow 1.58395$

$1d3/2$   $G^+, G^-$ :  $2.764 \rightarrow 2.73664$   $0.89 \rightarrow 1.05203$

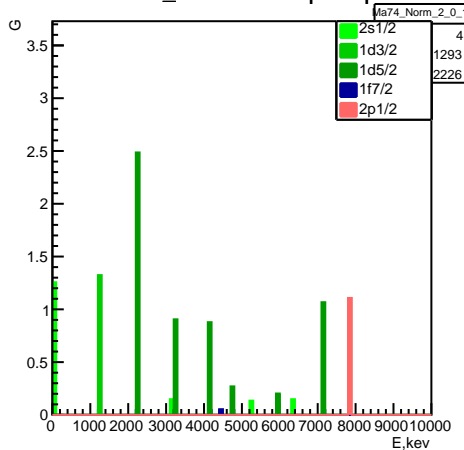
$1d5/2$   $G^+, G^-$ :  $0.12 \rightarrow 0.118812$   $4.44 \rightarrow 5.24831$

$1f7/2$   $G^+, G^-$ :  $4.568 \rightarrow 4.52278$   $0.04 \rightarrow 0.0472821$

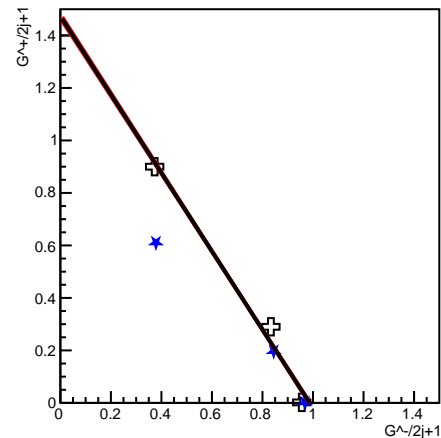
Ma74\_Norm pickup



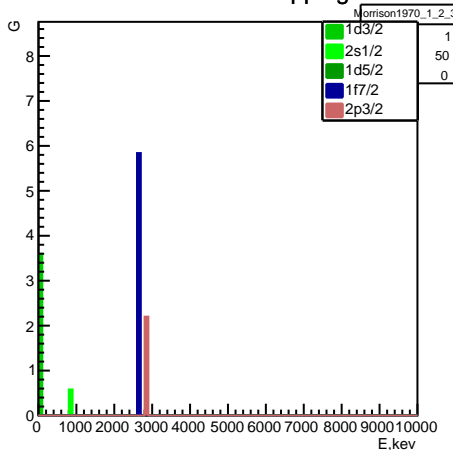
Ma74\_Norm norm. pickup



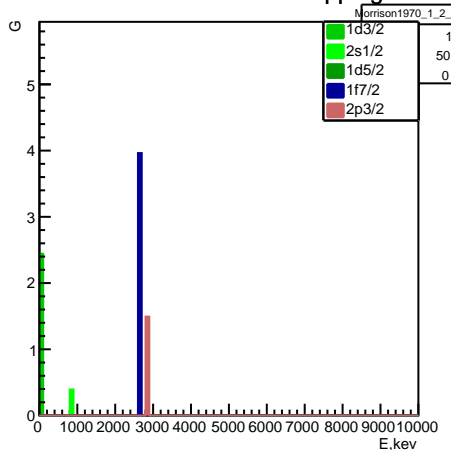
Fit graph



Morrison1970 stripping



Morrison1970 norm. stripping



**Experiment: Ma74\_Norm (14) Morrison1970**

$n^+ G^{++} + n^- G^{--} = 1$  equations:

2s1/2:  $n^+ 0.29 + n^- 0.833333 = 1$

1d3/2:  $n^+ 0.9 + n^- 0.373333 = 1$

1d5/2:  $n^+ 0.002 + n^- 0.955556 = 1$

**Normalization of 3 subshells result:**

$n^+ = 0.678537 \pm 0$  (for stripping)

$n^- = 1.01339 \pm 0$  (for pick-up)

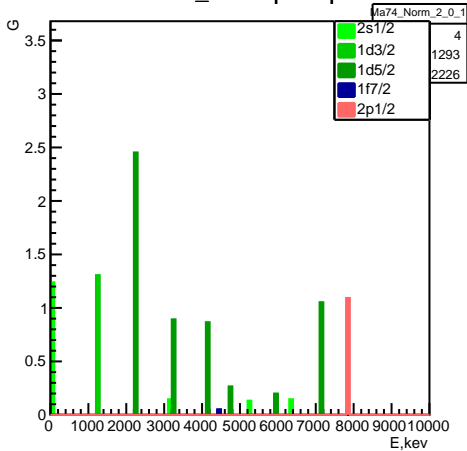
2s1/2  $G^+, G^-$ : 0.58->0.393551 1.66667->1.6889

1d3/2  $G^+, G^-$ : 3.6->2.44273 1.49333->1.51334

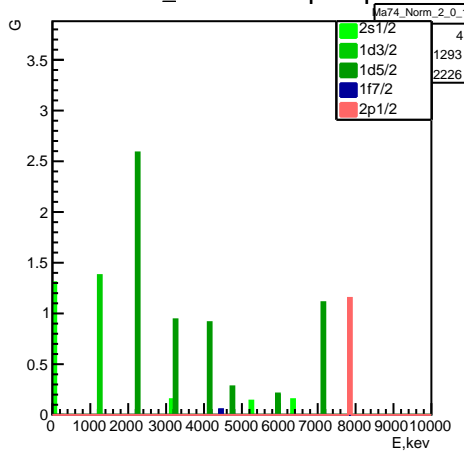
1d5/2  $G^+, G^-$ : 0.012->0.00814244 5.73333->5.8

1f7/2  $G^+, G^-$ : 5.84->3.96265 0.0533333->0.054

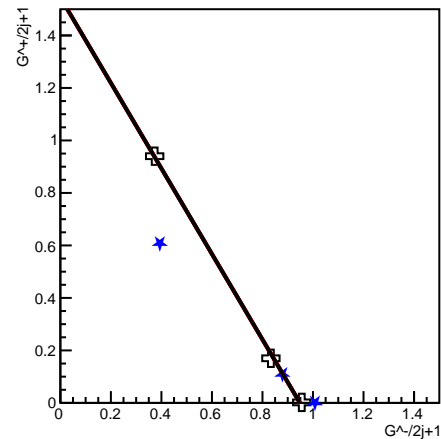
Ma74\_Norm pickup



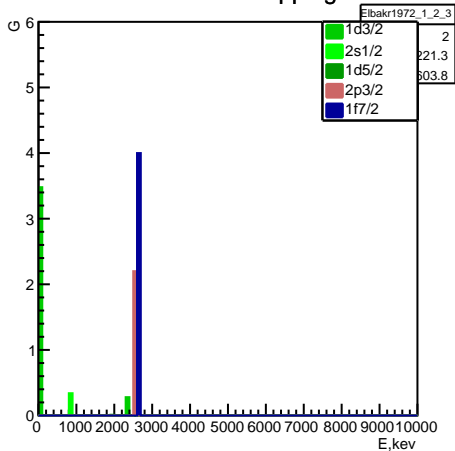
Ma74\_Norm norm. pickup



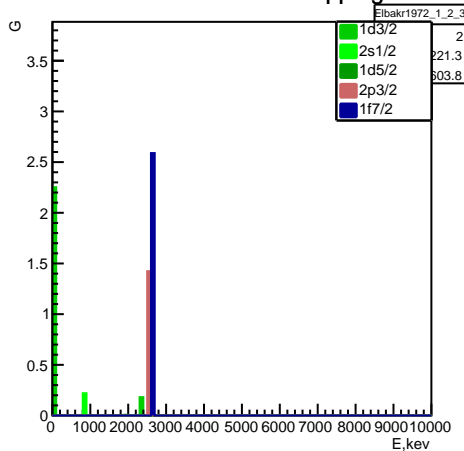
Fit graph



Elbakra1972 stripping



Elbakra1972 norm. stripping



Experiment: Ma74\_Norm (14) Elbakra1972 (6)

$n^+ G^{*+} + n^- G^{*-} = 1$  equations:

$$2s1/2: n^+ 0.17 + n^- 0.833333 = 1$$

$$1d3/2: n^+ 0.94 + n^- 0.373333 = 1$$

$$1d5/2: n^+ 0.002 + n^- 0.955556 = 1$$

Normalization of 3 subshells result:

$$n^+ = 0.647307 \pm 0 \text{ (for stripping)}$$

$$n^- = 1.05456 \pm 0 \text{ (for pick-up)}$$

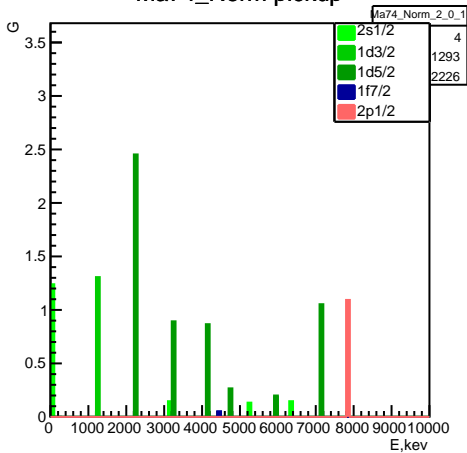
$$2s1/2 \ G^+, G^-: 0.34 \rightarrow 0.220084 \ 1.66667 \rightarrow 1.7576$$

$$1d3/2 \ G^+, G^-: 3.76 \rightarrow 2.43387 \ 1.49333 \rightarrow 1.57481$$

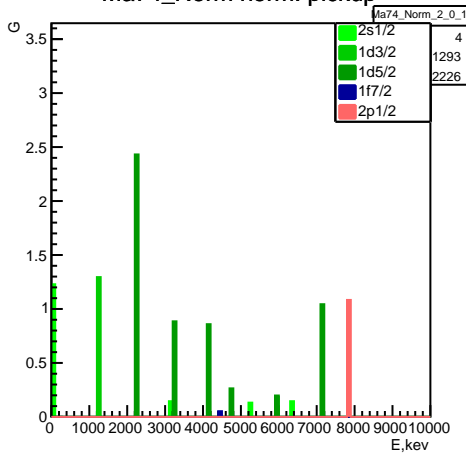
$$1d5/2 \ G^+, G^-: 0.012 \rightarrow 0.00776768 \ 5.73333 \rightarrow 6.0$$

$$1f7/2 \ G^+, G^-: 4 \rightarrow 2.58923 \ 0.0533333 \rightarrow 0.056243$$

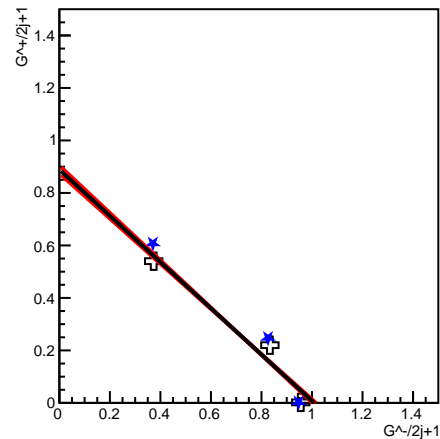
Ma74\_Norm pickup



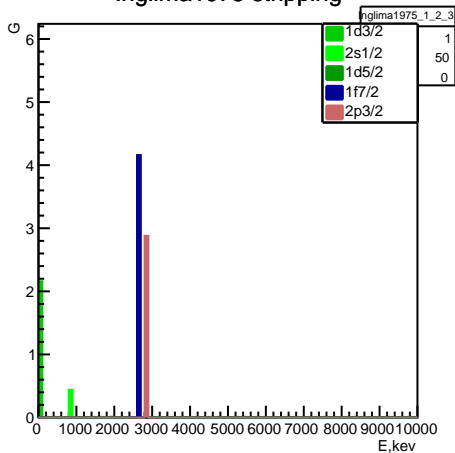
Ma74\_Norm norm. pickup



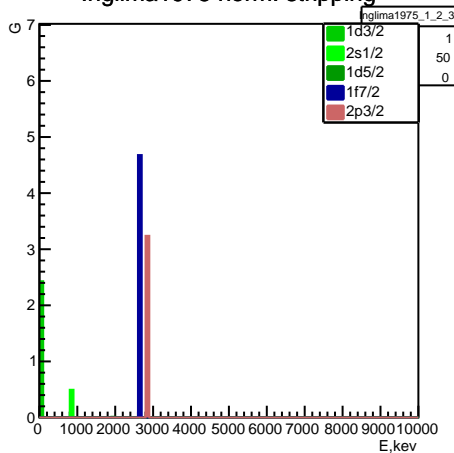
Fit graph



Inglima1975 stripping



Inglima1975 norm. stripping



Experiment: Ma74\_Norm (14) Inglima1975 (5)

$n^+G^{++} + n^-G^{*-} = 1$  equations:

$$2s1/2: n^+ 0.22 + n^- 0.833333 = 1$$

$$1d3/2: n^+ 0.54 + n^- 0.373333 = 1$$

$$1d5/2: n^+ 0.002 + n^- 0.955556 = 1$$

Normalization of 3 subshells result:

$$n^+ = 1.12459 \pm 0 \text{ (for stripping)}$$

$$n^- = 0.991139 \pm 0 \text{ (for pickup)}$$

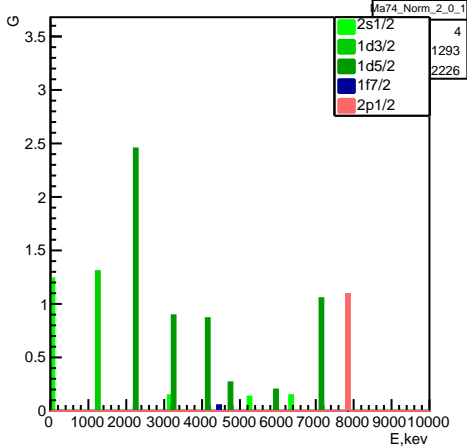
$$2s1/2 \ G^+, G^-: 0.44 \rightarrow 0.49482 \ 1.66667 \rightarrow 1.6519$$

$$1d3/2 \ G^+, G^-: 2.16 \rightarrow 2.42912 \ 1.49333 \rightarrow 1.4801$$

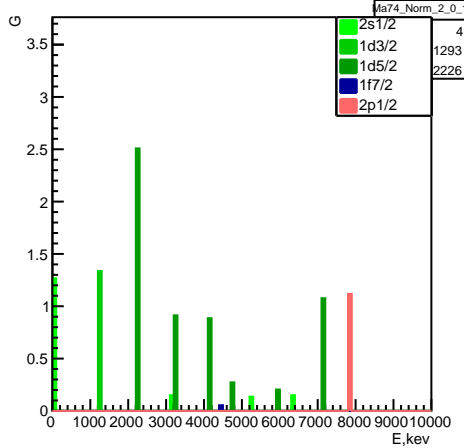
$$1d5/2 \ G^+, G^-: 0.012 \rightarrow 0.0134951 \ 5.73333 \rightarrow 5.68$$

$$1f7/2 \ G^+, G^-: 4.16 \rightarrow 4.6783 \ 0.0533333 \rightarrow 0.05286$$

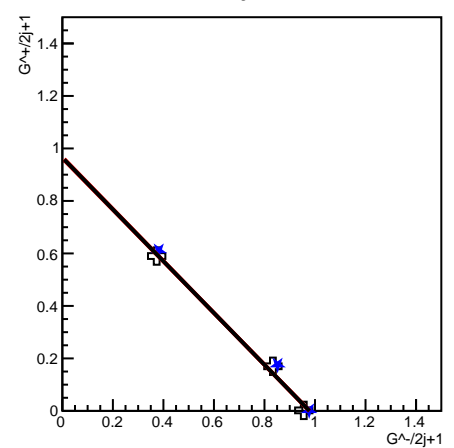
Ma74\_Norm pickup



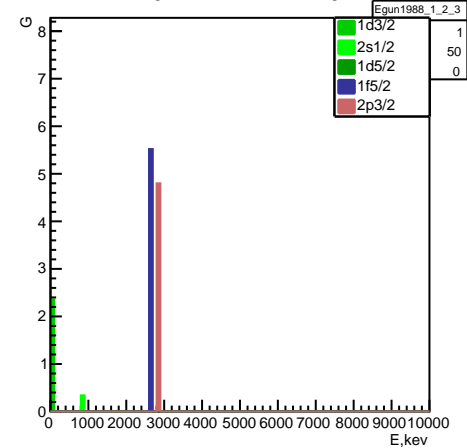
Ma74\_Norm norm. pickup



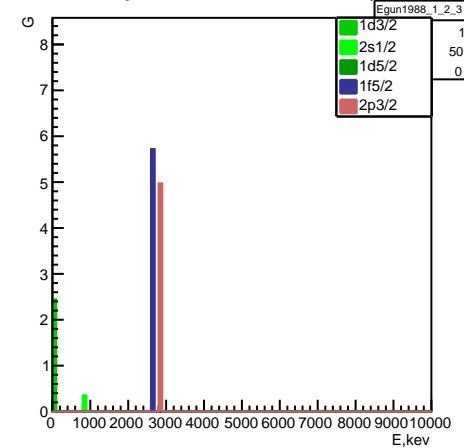
Fit graph



Egun1988 stripping



Egun1988 norm. stripping



Experiment: Ma74\_Norm (14) Egun1988 (5)

$n^+G^{*+} + n^-G^{*-} = 1$  equations:

2s1/2:  $n^+ 0.17 + n^- 0.833333 = 1$

1d3/2:  $n^+ 0.59 + n^- 0.373333 = 1$

1d5/2:  $n^+ 0.002 + n^- 0.955556 = 1$

Normalization of 3 subshells result:

$n^+ = 1.03625 \pm 0$  (for stripping)

$n^- = 1.02227 \pm 0$  (for pick-up)

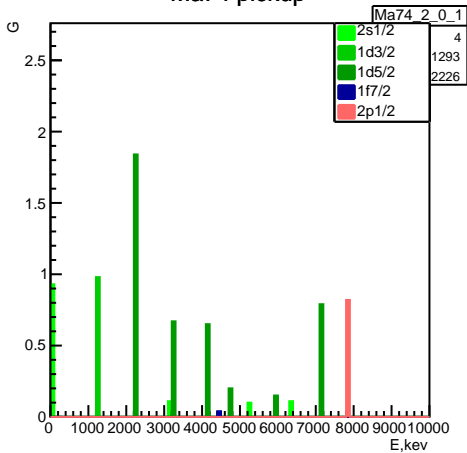
2s1/2  $G^+, G^-$ : 0.34->0.352325 1.66667->1.7037

1d3/2  $G^+, G^-$ : 2.36->2.44555 1.49333->1.52659

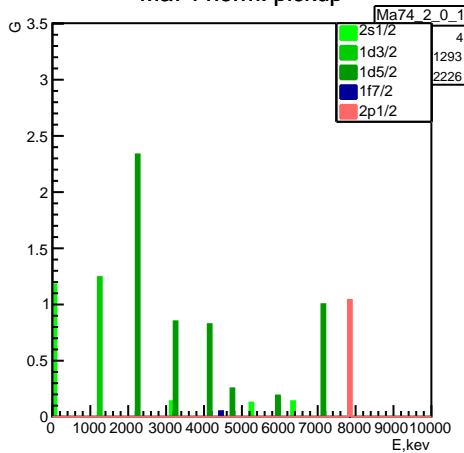
1d5/2  $G^+, G^-$ : 0.012->0.012435 5.73333->5.861

1f7/2  $G^+, G^-$ : 4.63919e-310->4.80736e-310 0.0->0.0

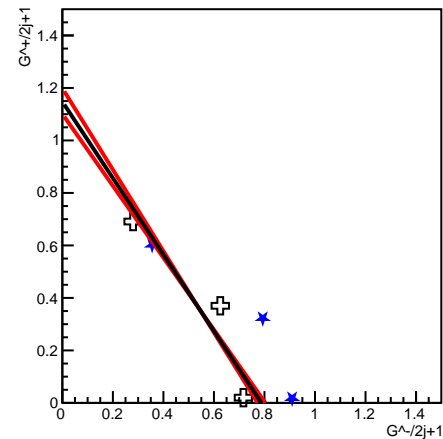
Ma74 pickup



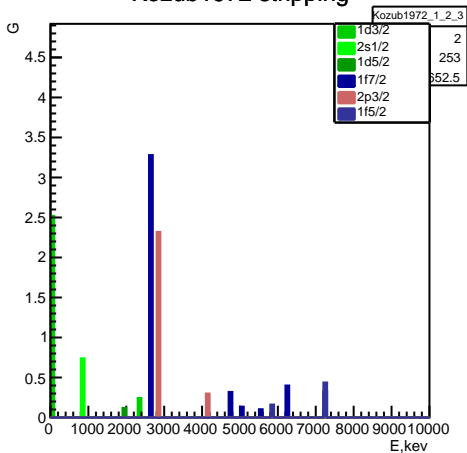
Ma74 norm. pickup



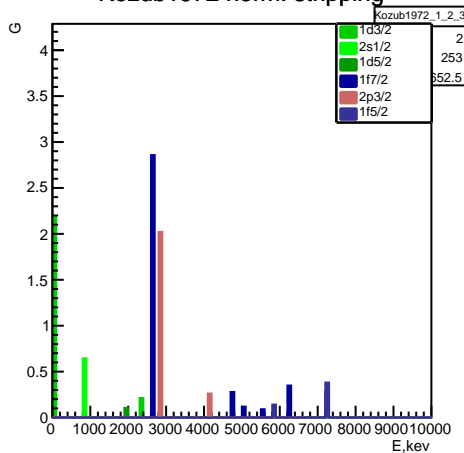
Fit graph



Kozub1972 stripping



Kozub1972 norm. stripping



**Experiment: Ma74 (14) Kozub1972 (14)**

**$n^+G^{++} + n^-G^{*-} = 1$  equations:**

**$2s1/2$ :  $n^+ 0.37 + n^- 0.625 = 1$**

**$1d3/2$ :  $n^+ 0.691 + n^- 0.28 = 1$**

**$1d5/2$ :  $n^+ 0.02 + n^- 0.716667 = 1$**

**Normalization of 3 subshells result:**

**$n^+ = 0.871347 \pm 0$  (for stripping)**

**$n^- = 1.26911 \pm 0$  (for pick-up)**

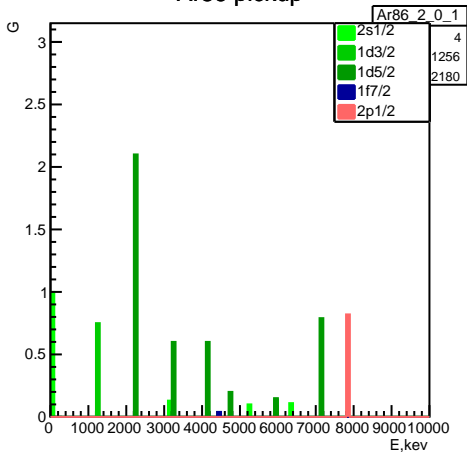
**$2s1/2$   $G^+, G^-$ : 0.74->0.644797 1.25->1.58639**

**$1d3/2$   $G^+, G^-$ : 2.764->2.4084 1.12->1.4214**

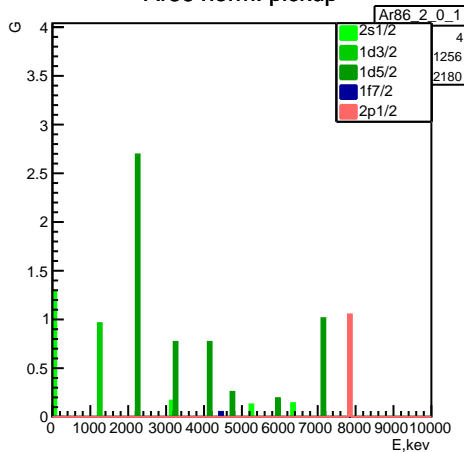
**$1d5/2$   $G^+, G^-$ : 0.12->0.104562 4.3->5.45717**

**$1f7/2$   $G^+, G^-$ : 4.568->3.98031 0.04->0.0507644**

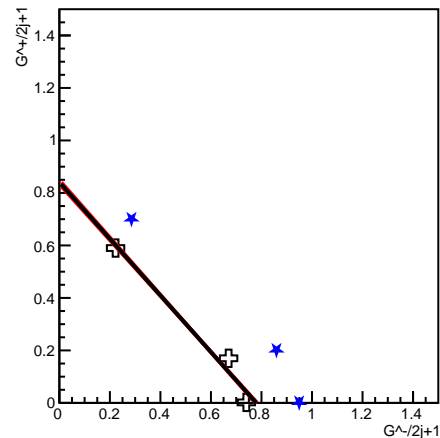
Ar86 pickup



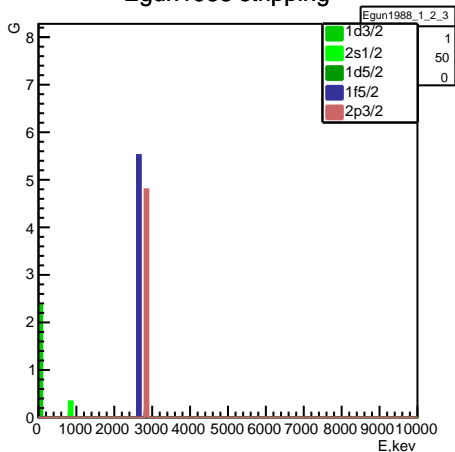
Ar86 norm. pickup



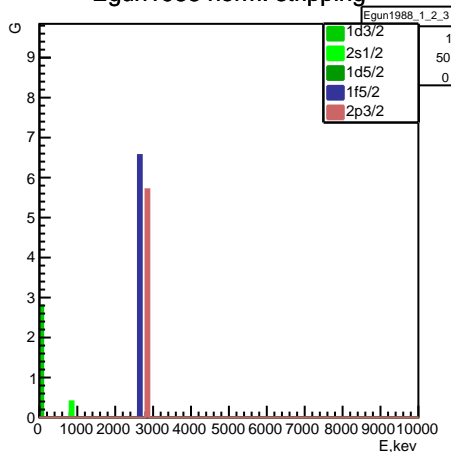
Fit graph



Egun1988 stripping



Egun1988 norm. stripping



Experiment: Ar86 (14) Egun1988 (5)

$n^+G^{*+} + n^-G^{*-} = 1$  equations:

2s1/2:  $n^+ 0.17 + n^- 0.67 = 1$

1d3/2:  $n^+ 0.59 + n^- 0.2225 = 1$

1d5/2:  $n^+ 0.002 + n^- 0.74 = 1$

Normalization of 3 subshells result:

$n^+ = 1.18907 \pm 0$  (for stripping)

$n^- = 1.28265 \pm 0$  (for pick-up)

2s1/2  $G^+, G^-$ : 0.34->0.404284 1.34->1.71875

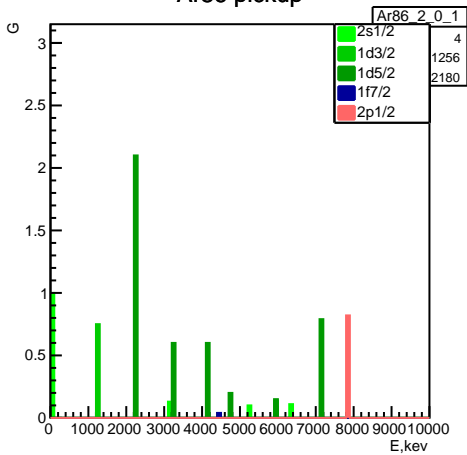
1d3/2  $G^+, G^-$ : 2.36->2.80621 0.89->1.14156

1d5/2  $G^+, G^-$ : 0.012->0.0142689 4.44->5.69497

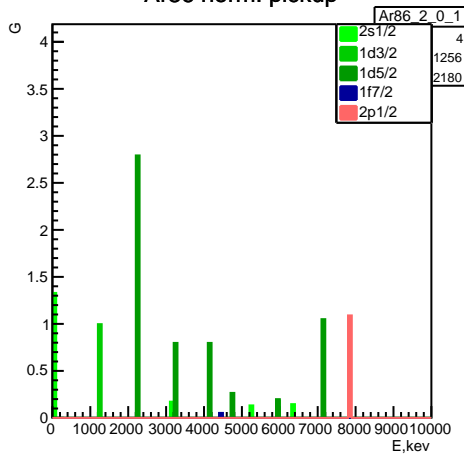
1f7/2  $G^+, G^-$ : 4.63919e-310->5.51633e-310 0.04



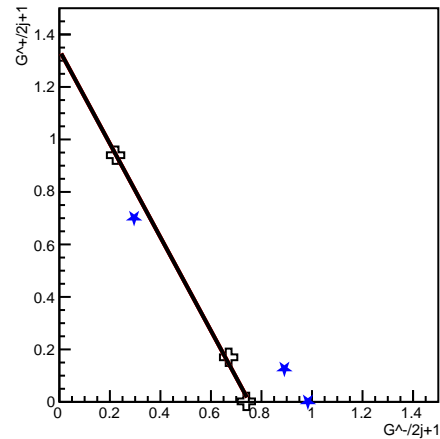
Ar86 pickup



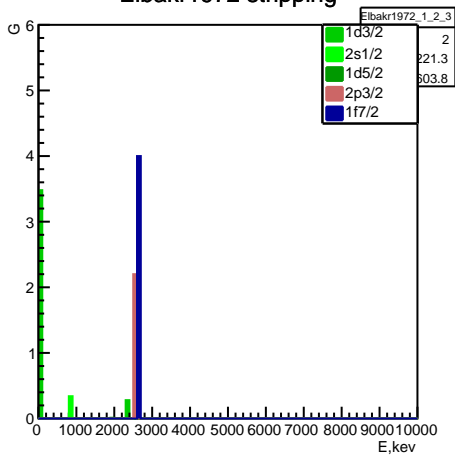
Ar86 norm. pickup



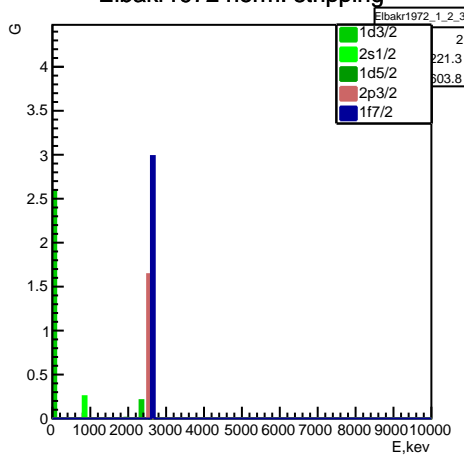
Fit graph



Elbakra1972 stripping



Elbakra1972 norm. stripping



Experiment: Ar86 (14) Elbakra1972 (6)

$n^+ G^{++} + n^- G^{*-} = 1$  equations:

2s1/2:  $n^+ 0.17 + n^- 0.67 = 1$

1d3/2:  $n^+ 0.94 + n^- 0.2225 = 1$

1d5/2:  $n^+ 0.002 + n^- 0.74 = 1$

Normalization of 3 subshells result:

$n^+ = 0.74623 \pm 0$  (for stripping)

$n^- = 1.32937 \pm 0$  (for pick-up)

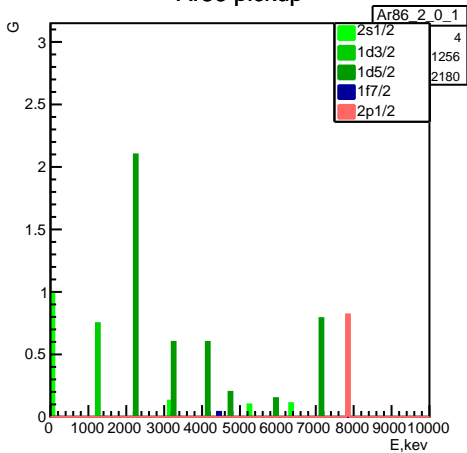
2s1/2  $G^+, G^-$ : 0.34->0.253718 1.34->1.78135

1d3/2  $G^+, G^-$ : 3.76->2.80582 0.89->1.18314

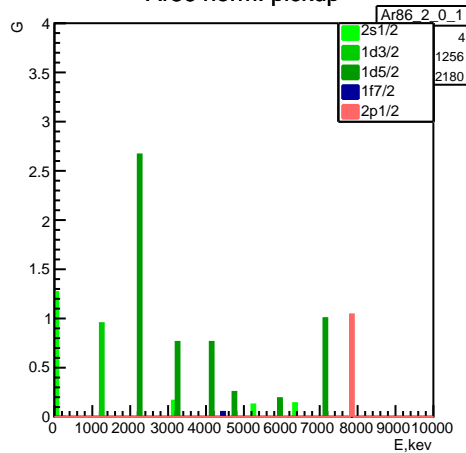
1d5/2  $G^+, G^-$ : 0.012->0.00895476 4.44->5.9023

1f7/2  $G^+, G^-$ : 4->2.98492 0.04->0.0531747

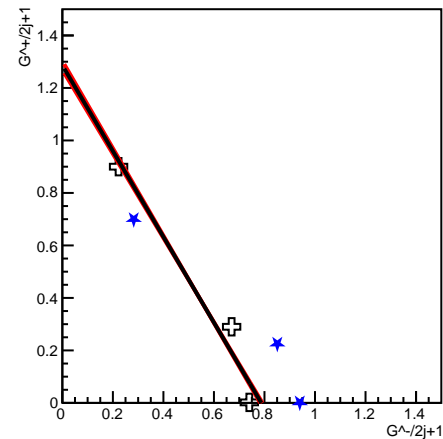
Ar86 pickup



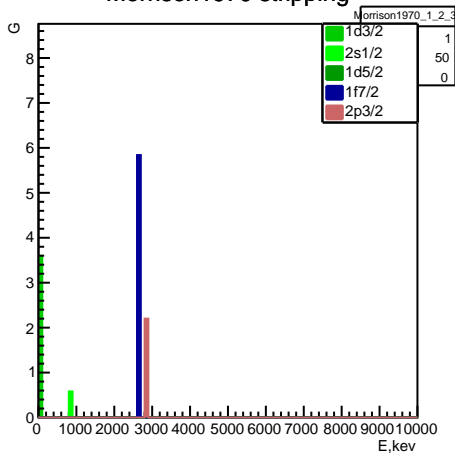
Ar86 norm. pickup



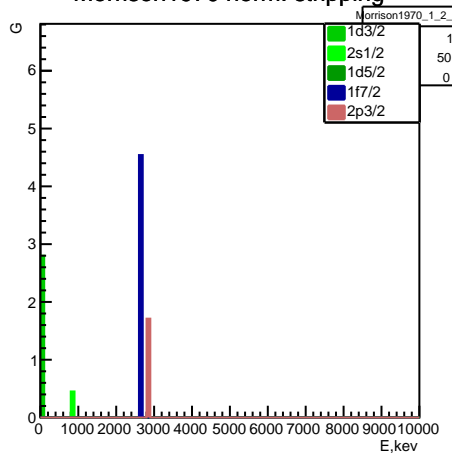
Fit graph



Morrison1970 stripping



Morrison1970 norm. stripping



**Experiment: Ar86 (14) Morrison1970 (5)**

$n^+ G^{++} + n^- G^{*-} = 1$  equations:

$2s1/2$ :  $n^+ 0.29 + n^- 0.67 = 1$

$1d3/2$ :  $n^+ 0.9 + n^- 0.2225 = 1$

$1d5/2$ :  $n^+ 0.002 + n^- 0.74 = 1$

**Normalization of 3 subshells result:**

$n^+ = 0.777624 \pm 0$  (for stripping)

$n^- = 1.26988 \pm 0$  (for pick-up)

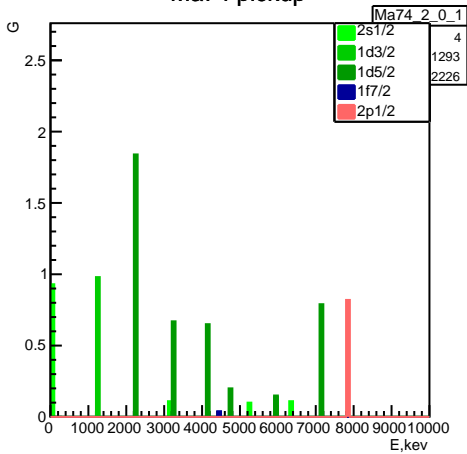
$2s1/2$   $G^+, G^-$ :  $0.58 \rightarrow 0.451022$   $1.34 \rightarrow 1.70163$

$1d3/2$   $G^+, G^-$ :  $3.6 \rightarrow 2.79945$   $0.89 \rightarrow 1.13019$

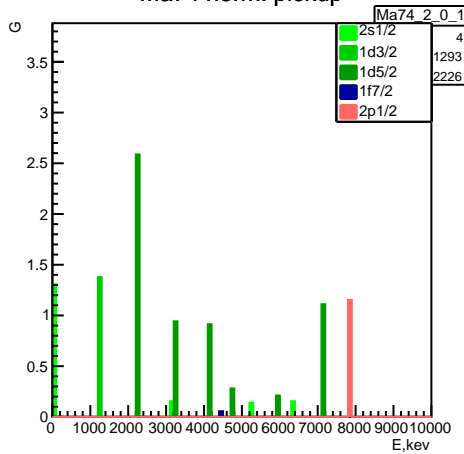
$1d5/2$   $G^+, G^-$ :  $0.012 \rightarrow 0.00933149$   $4.44 \rightarrow 5.6382$

$1f7/2$   $G^+, G^-$ :  $5.84 \rightarrow 4.54133$   $0.04 \rightarrow 0.050795$

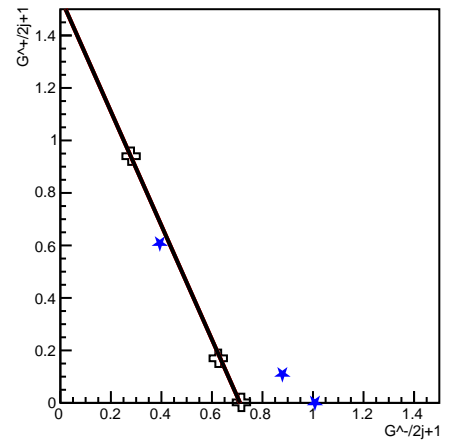
Ma74 pickup



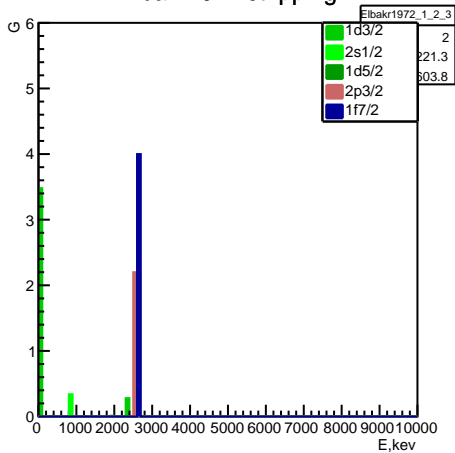
Ma74 norm. pickup



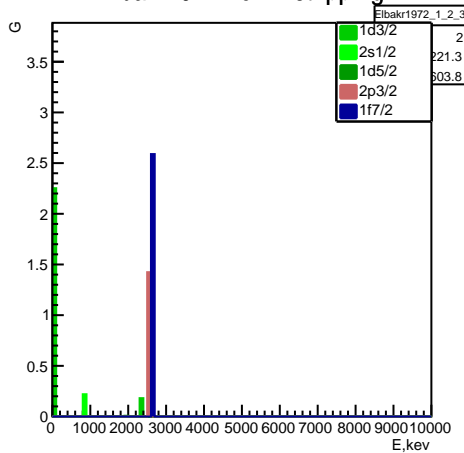
Fit graph



Elbakr1972 stripping



Elbakr1972 norm. stripping



**Experiment: Ma74 (14) Elbakr1972 (6)**

**$n^+ G^{*+} + n^- G^{*-} = 1$  equations:**

**2s1/2:  $n^+ 0.17 + n^- 0.625 = 1$**

**1d3/2:  $n^+ 0.94 + n^- 0.28 = 1$**

**1d5/2:  $n^+ 0.002 + n^- 0.716667 = 1$**

**Normalization of 3 subshells result:**

**$n^+ = 0.647307 \pm 0$  (for stripping)**

**$n^- = 1.40608 \pm 0$  (for pick-up)**

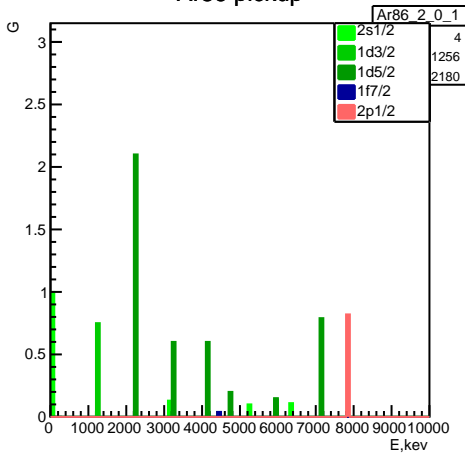
**2s1/2  $G^+, G^-$ : 0.34->0.220084 1.25->1.7576**

**1d3/2  $G^+, G^-$ : 3.76->2.43387 1.12->1.57481**

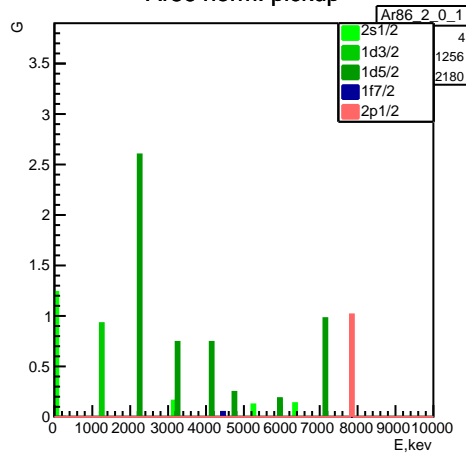
**1d5/2  $G^+, G^-$ : 0.012->0.00776768 4.3->6.04615**

**1f7/2  $G^+, G^-$ : 4->2.58923 0.04->0.0562432**

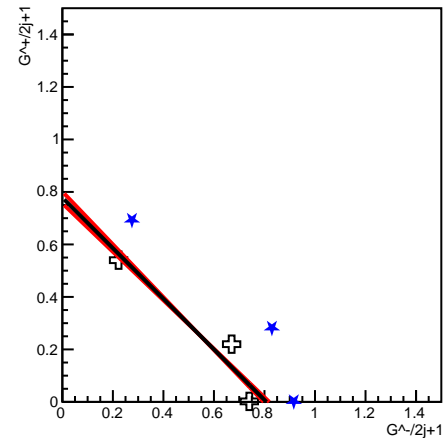
Ar86 pickup



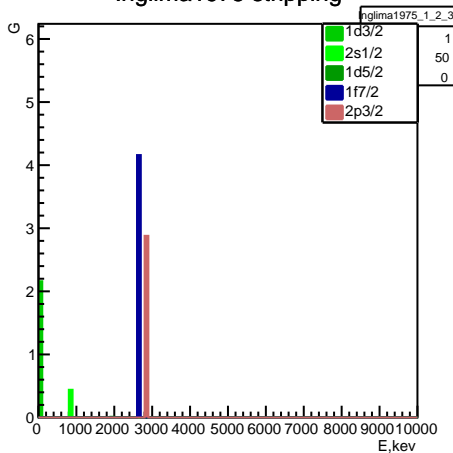
Ar86 norm. pickup



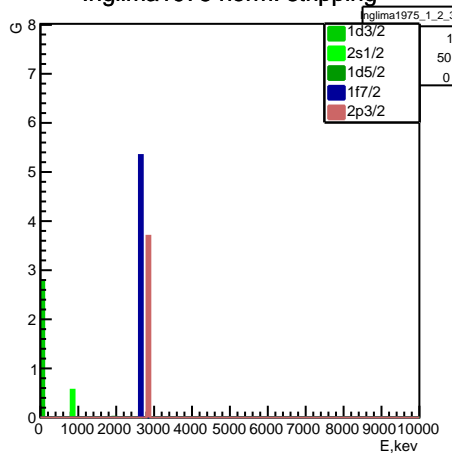
Fit graph



Inglima1975 stripping



Inglima1975 norm. stripping



Experiment: Ar86 (14) Inglima1975 (5)

$n^+ G^{*+} + n^- G^{*-} = 1$  equations:

$2s1/2$ :  $n^+ 0.22 + n^- 0.67 = 1$

$1d3/2$ :  $n^+ 0.54 + n^- 0.2225 = 1$

$1d5/2$ :  $n^+ 0.002 + n^- 0.74 = 1$

Normalization of 3 subshells result:

$n^+ = 1.28482 \pm 0$  (for stripping)

$n^- = 1.23796 \pm 0$  (for pick-up)

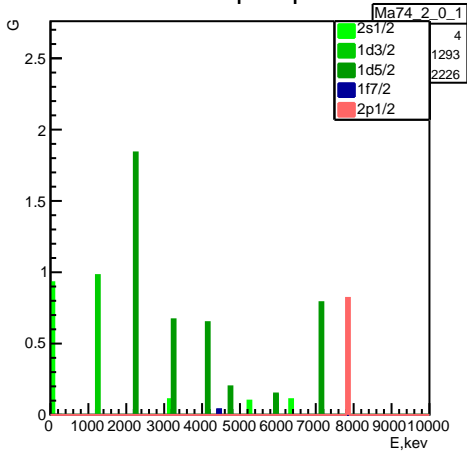
$2s1/2$   $G^+, G^-$ : 0.44->0.56532 1.34->1.65887

$1d3/2$   $G^+, G^-$ : 2.16->2.77521 0.89->1.10178

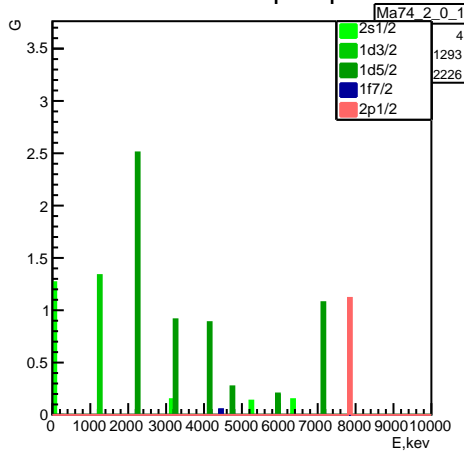
$1d5/2$   $G^+, G^-$ : 0.012->0.0154178 4.44->5.49654

$1f7/2$   $G^+, G^-$ : 4.16->5.34485 0.04->0.0495184

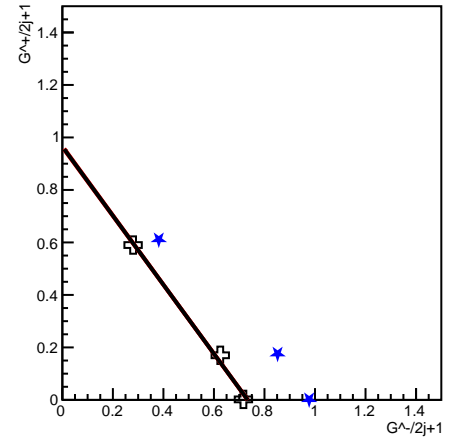
Ma74 pickup



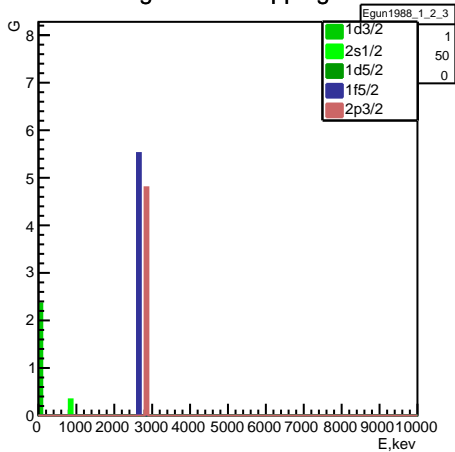
Ma74 norm. pickup



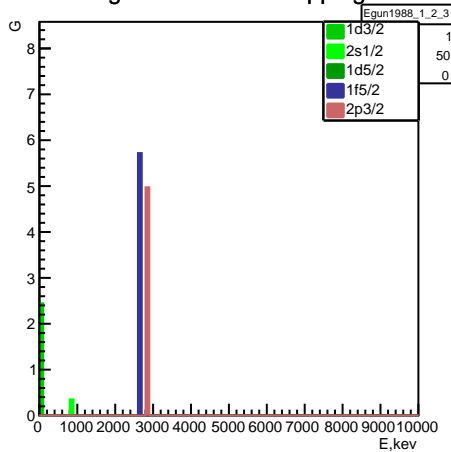
Fit graph



Egun1988 stripping



Egun1988 norm. stripping



Experiment: Ma74 (14) Egun1988 (5)

$n^+G^{++} + n^-G^{--} = 1$  equations:

2s1/2:  $n^+ 0.17 + n^- 0.625 = 1$

1d3/2:  $n^+ 0.59 + n^- 0.28 = 1$

1d5/2:  $n^+ 0.002 + n^- 0.716667 = 1$

Normalization of 3 subshells result:

$n^+ = 1.03625 \pm 0$  (for stripping)

$n^- = 1.36303 \pm 0$  (for pick-up)

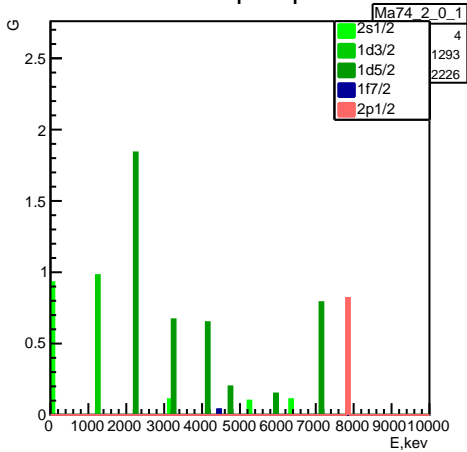
2s1/2  $G^+, G^-$ : 0.34->0.352325 1.25->1.70378

1d3/2  $G^+, G^-$ : 2.36->2.44555 1.12->1.52659

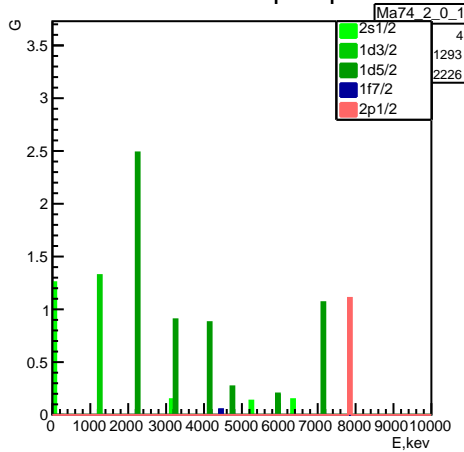
1d5/2  $G^+, G^-$ : 0.012->0.012435 4.3->5.86102

1f7/2  $G^+, G^-$ : 4.63919e-310->4.80736e-310 0.0->

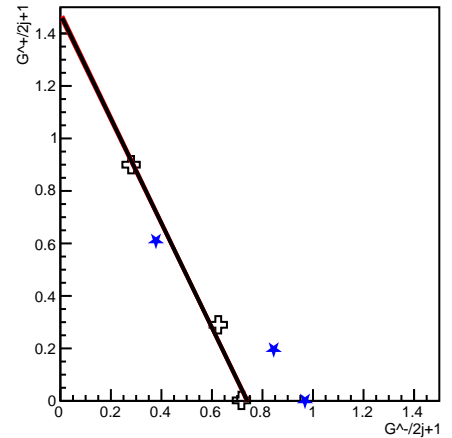
Ma74 pickup



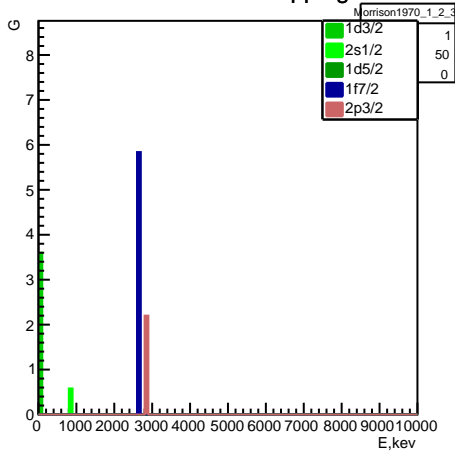
Ma74 norm. pickup



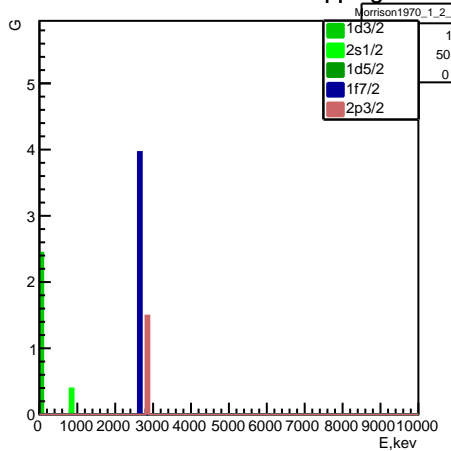
Fit graph



Morrison1970 stripping



Morrison1970 norm. stripping



**Experiment: Ma74 (14) Morrison1970 (5)**

$n^+ G^{++} + n^- G^{*-} = 1$  equations:

$2s1/2$ :  $n^+ 0.29 + n^- 0.625 = 1$

$1d3/2$ :  $n^+ 0.9 + n^- 0.28 = 1$

$1d5/2$ :  $n^+ 0.002 + n^- 0.716667 = 1$

**Normalization of 3 subshells result:**

$n^+ = 0.678537 \pm 0$  (for stripping)

$n^- = 1.35119 \pm 0$  (for pick-up)

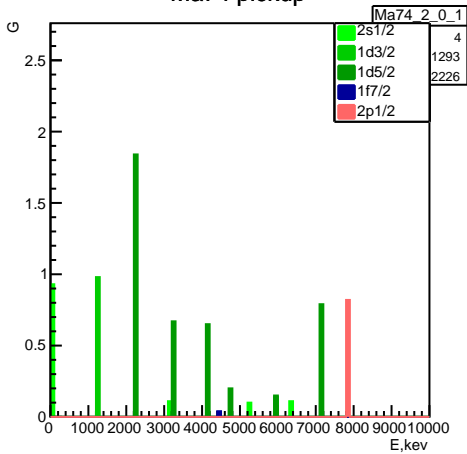
$2s1/2$   $G^+, G^-$ : 0.58->0.393551 1.25->1.68899

$1d3/2$   $G^+, G^-$ : 3.6->2.44273 1.12->1.51334

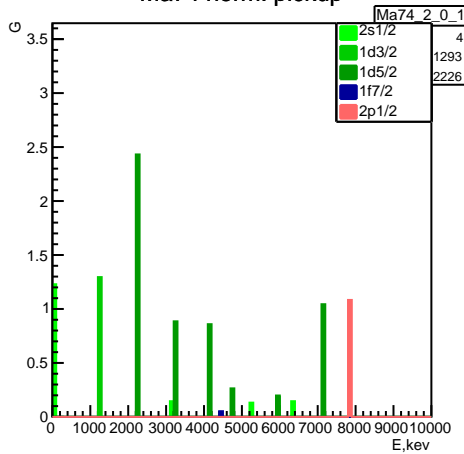
$1d5/2$   $G^+, G^-$ : 0.012->0.00814244 4.3->5.81013

$1f7/2$   $G^+, G^-$ : 5.84->3.96265 0.04->0.0540477

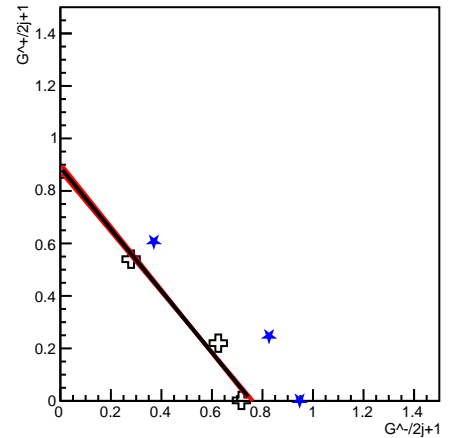
Ma74 pickup



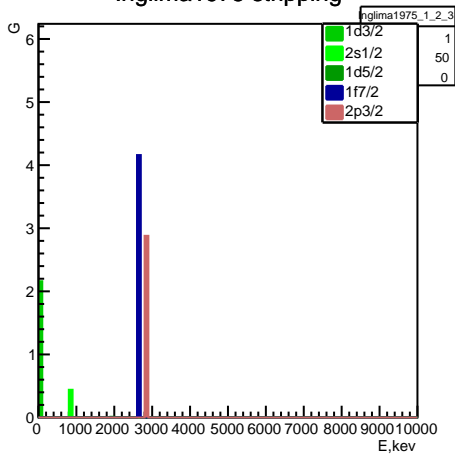
Ma74 norm. pickup



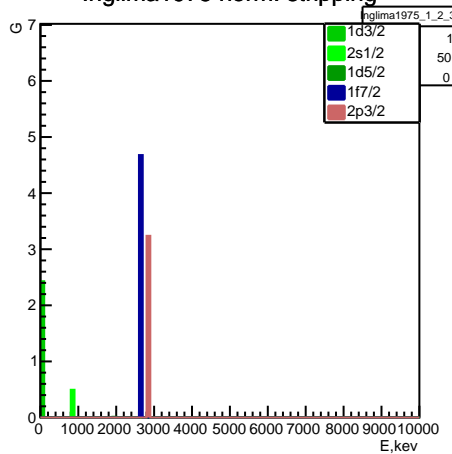
Fit graph



Inglima1975 stripping



Inglima1975 norm. stripping



Experiment: Ma74 (14) Inglima1975 (5)

$n^+ G^{*+} + n^- G^{*-} = 1$  equations:

$2s1/2$ :  $n^+ 0.22 + n^- 0.625 = 1$

$1d3/2$ :  $n^+ 0.54 + n^- 0.28 = 1$

$1d5/2$ :  $n^+ 0.002 + n^- 0.716667 = 1$

Normalization of 3 subshells result:

$n^+ = 1.12459 \pm 0$  (for stripping)

$n^- = 1.32152 \pm 0$  (for pick-up)

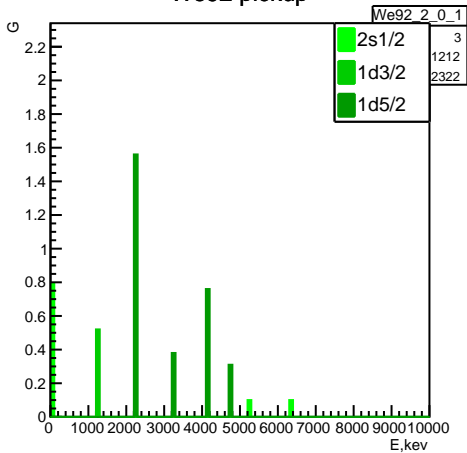
$2s1/2$   $G^+, G^-$ : 0.44->0.49482 1.25->1.6519

$1d3/2$   $G^+, G^-$ : 2.16->2.42912 1.12->1.4801

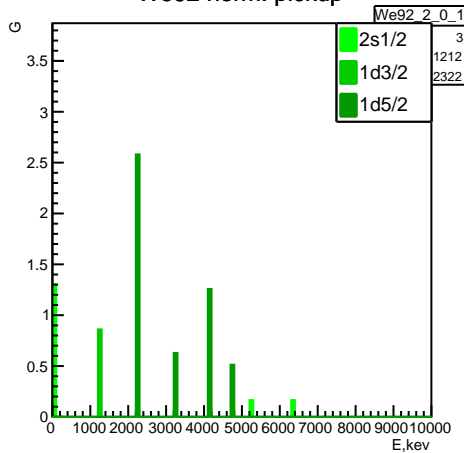
$1d5/2$   $G^+, G^-$ : 0.012->0.0134951 4.3->5.68253

$1f7/2$   $G^+, G^-$ : 4.16->4.6783 0.04->0.0528607

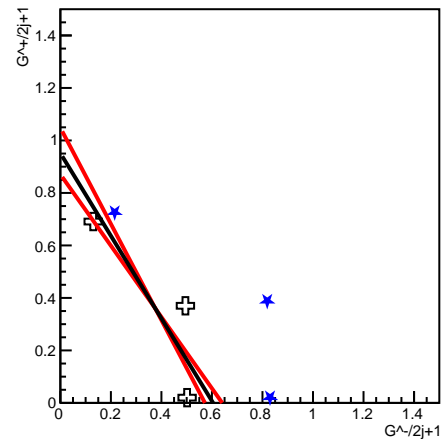
We92 pickup



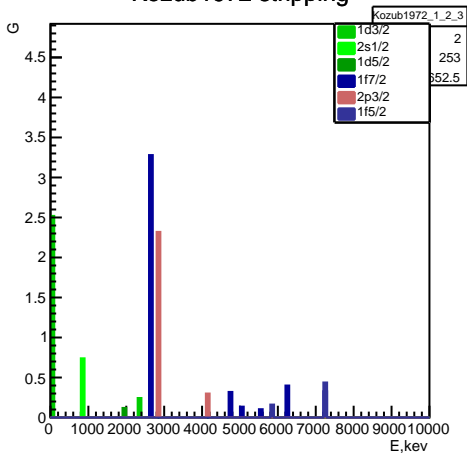
We92 norm. pickup



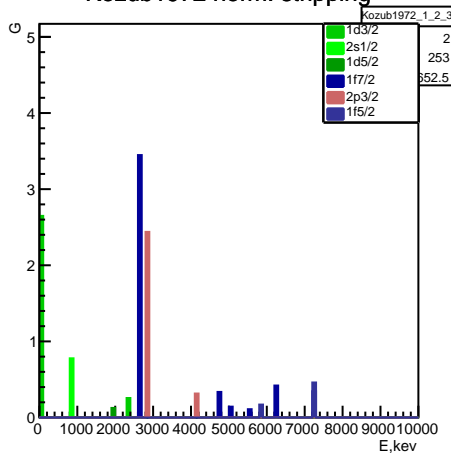
Fit graph



Kozub1972 stripping



Kozub1972 norm. stripping



Experiment: We92 (8) Kozub1972 (14)

$n^+ G^{++} + n^- G^{*-} = 1$  equations:

2s1/2:  $n^+ 0.37 + n^- 0.495 = 1$

1d3/2:  $n^+ 0.691 + n^- 0.13 = 1$

1d5/2:  $n^+ 0.02 + n^- 0.501667 = 1$

Normalization of 3 subshells result:

$n^+ = 1.05115 \pm 0$  (for stripping)

$n^- = 1.65418 \pm 0$  (for pick-up)

2s1/2  $G^+, G^-$ : 0.74->0.777849 0.99->1.63764

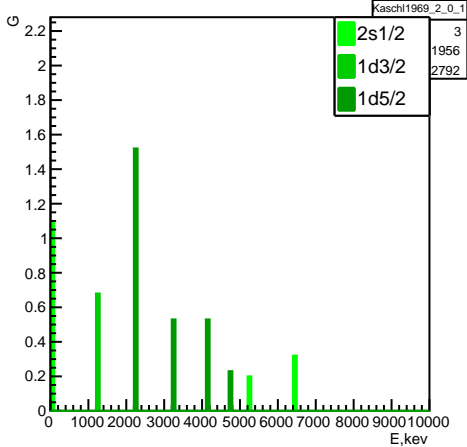
1d3/2  $G^+, G^-$ : 2.764->2.90537 0.52->0.860174

1d5/2  $G^+, G^-$ : 0.12->0.126138 3.01->4.97908

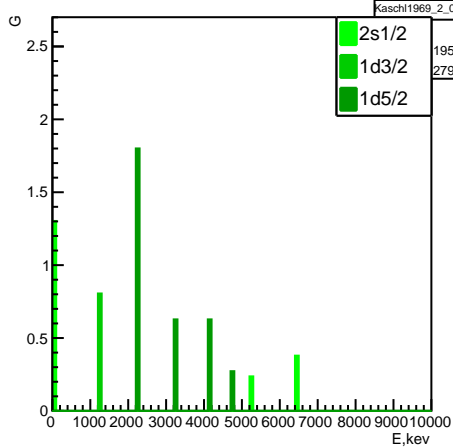
1f7/2  $G^+, G^-$ : 4.568->4.80164 4.568->7.5563



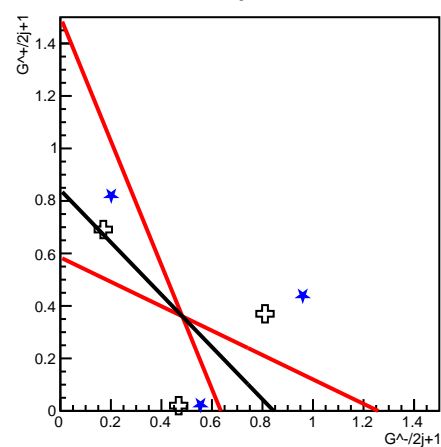
Kaschl1969 pickup



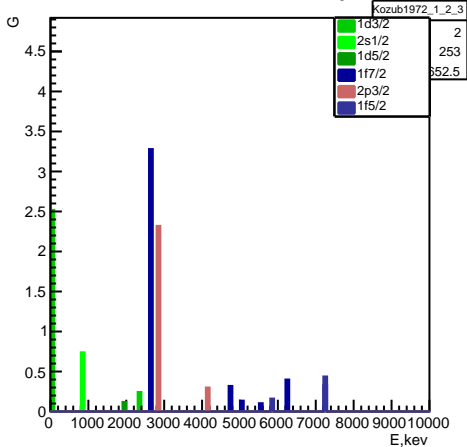
Kaschl1969 norm. pickup



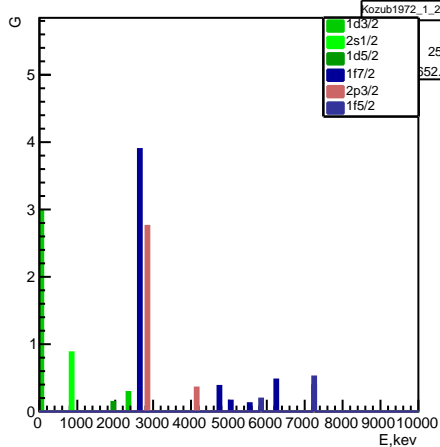
Fit graph



Kozub1972 stripping



Kozub1972 norm. stripping



Experiment: Kaschl1969 (8) Kozub1972 (14)

$n^+ G^{++} + n^- G^{*-} = 1$  equations:

2s1/2:  $n^+ 0.37 + n^- 0.81 = 1$

1d3/2:  $n^+ 0.691 + n^- 0.17 = 1$

1d5/2:  $n^+ 0.02 + n^- 0.468333 = 1$

Normalization of 3 subshells result:

$n^+ = 1.18819 \pm 0$  (for stripping)

$n^- = 1.18451 \pm 0$  (for pick-up)

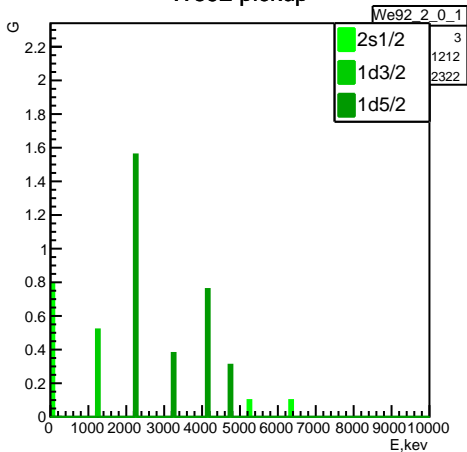
2s1/2  $G^+, G^-$ : 0.74->0.879263 1.62->1.9189

1d3/2  $G^+, G^-$ : 2.764->3.28417 0.68->0.805466

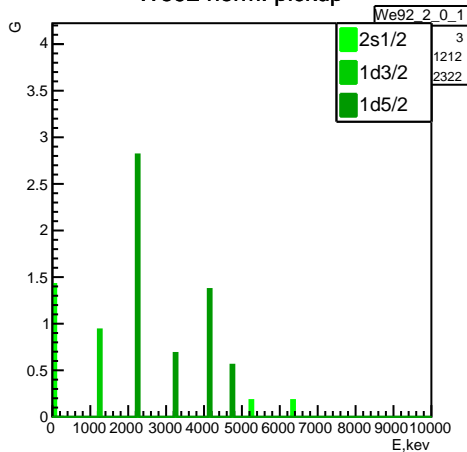
1d5/2  $G^+, G^-$ : 0.12->0.142583 2.81->3.32847

1f7/2  $G^+, G^-$ : 4.568->5.42767 4.568->5.41084

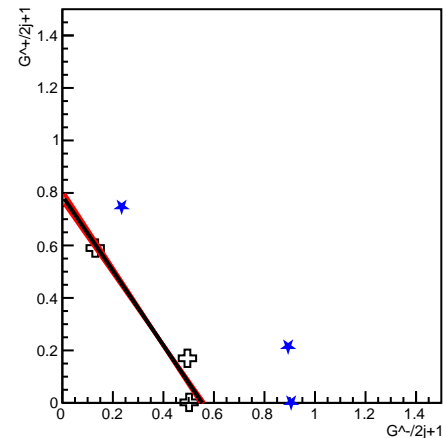
We92 pickup



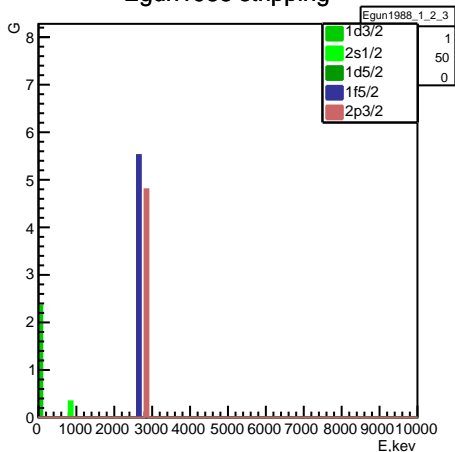
We92 norm. pickup



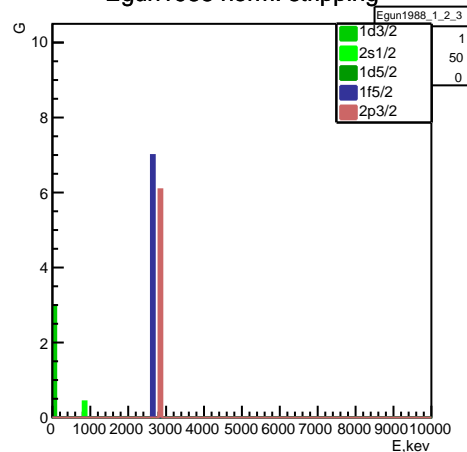
Fit graph



Egun1988 stripping



Egun1988 norm. stripping



**Experiment: We92 (8) Egun1988 (5)**

**$n^+ G^{++} + n^- G^{*-} = 1$  equations:**

**$2s1/2$ :  $n^+ 0.17 + n^- 0.495 = 1$**

**$1d3/2$ :  $n^+ 0.59 + n^- 0.13 = 1$**

**$1d5/2$ :  $n^+ 0.002 + n^- 0.501667 = 1$**

**Normalization of 3 subshells result:**

**$n^+ = 1.26794 \pm 0$  (for stripping)**

**$n^- = 1.80517 \pm 0$  (for pick-up)**

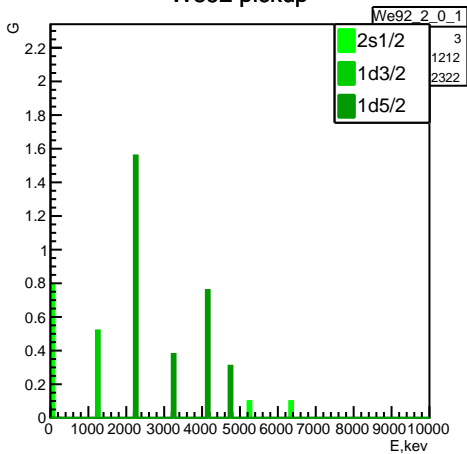
**$2s1/2$   $G^+, G^-$ :  $0.34 \rightarrow 0.4311$   $0.99 \rightarrow 1.78712$**

**$1d3/2$   $G^+, G^-$ :  $2.36 \rightarrow 2.99234$   $0.52 \rightarrow 0.93869$**

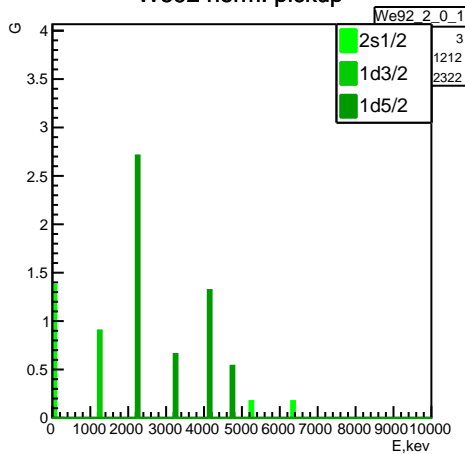
**$1d5/2$   $G^+, G^-$ :  $0.012 \rightarrow 0.0152153$   $3.01 \rightarrow 5.43357$**

**$1f5/2$   $G^+, G^-$ :  $5.52 \rightarrow 6.99904$   $5.52 \rightarrow 9.96455$**

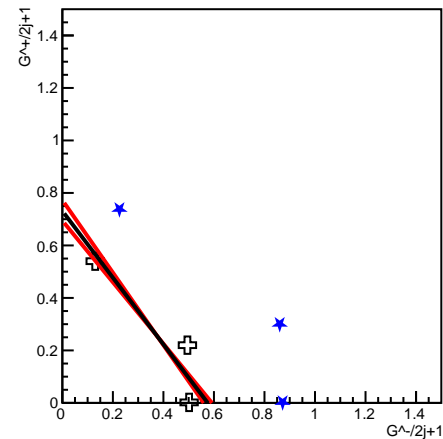
We92 pickup



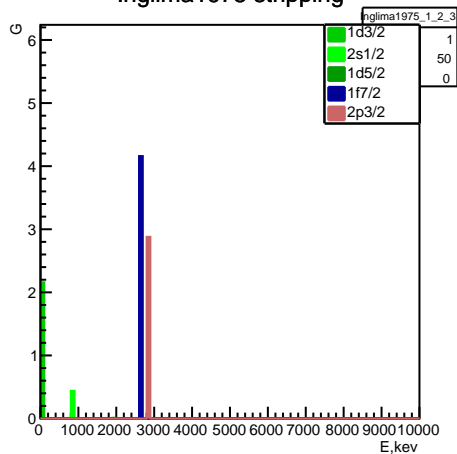
We92 norm. pickup



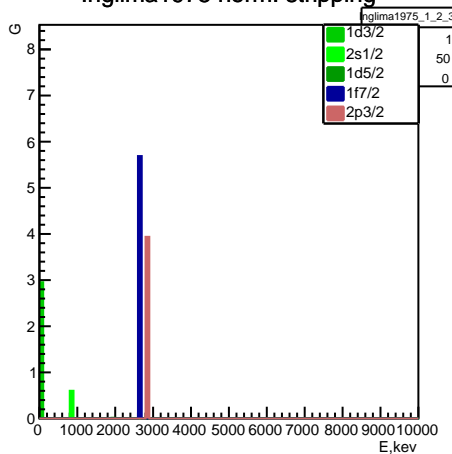
Fit graph



Inglima1975 stripping



Inglima1975 norm. stripping



Experiment: We92 (8) Inglima1975 (5)

$n^+ G^{++} + n^- G^{*-} = 1$  equations:

$2s1/2$ :  $n^+ 0.22 + n^- 0.495 = 1$

$1d3/2$ :  $n^+ 0.54 + n^- 0.13 = 1$

$1d5/2$ :  $n^+ 0.002 + n^- 0.501667 = 1$

Normalization of 3 subshells result:

$n^+ = 1.36734 \pm 0$  (for stripping)

$n^- = 1.73795 \pm 0$  (for pick-up)

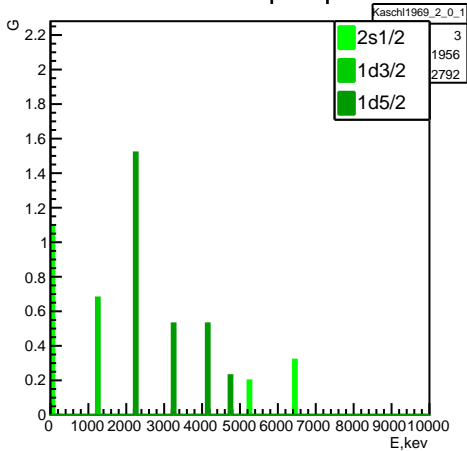
$2s1/2$   $G^+, G^-$ :  $0.44 \rightarrow 0.601628$   $0.99 \rightarrow 1.72057$

$1d3/2$   $G^+, G^-$ :  $2.16 \rightarrow 2.95345$   $0.52 \rightarrow 0.903733$

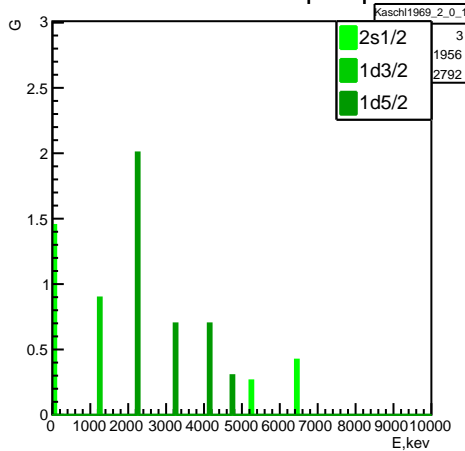
$1d5/2$   $G^+, G^-$ :  $0.012 \rightarrow 0.016408$   $3.01 \rightarrow 5.23123$

$1f7/2$   $G^+, G^-$ :  $4.16 \rightarrow 5.68812$   $4.16 \rightarrow 7.22987$

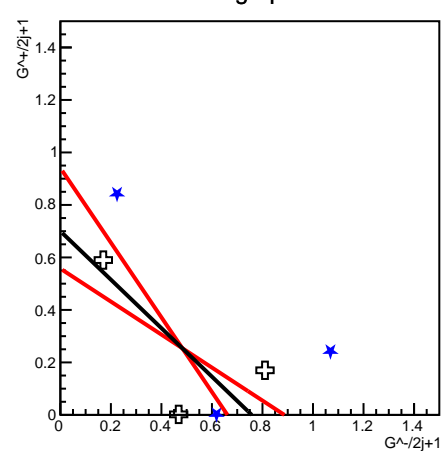
Kaschl1969 pickup



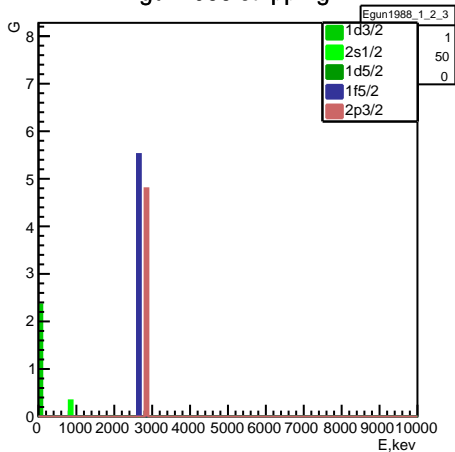
Kaschl1969 norm. pickup



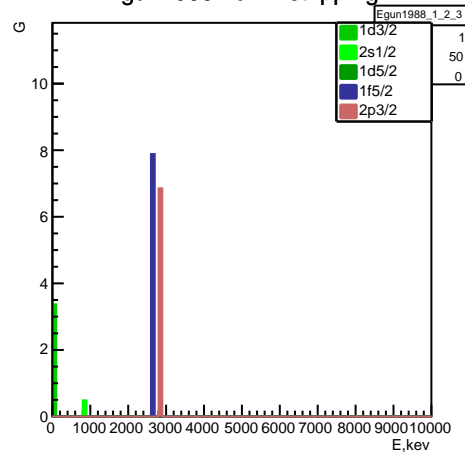
Fit graph



Egun1988 stripping



Egun1988 norm. stripping



**Experiment: Kaschl1969 (8) Egun1988 (5)**

$n^+ G^{*+} + n^- G^{*-} = 1$  equations:

$2s1/2$ :  $n^+ 0.17 + n^- 0.81 = 1$

$1d3/2$ :  $n^+ 0.59 + n^- 0.17 = 1$

$1d5/2$ :  $n^+ 0.002 + n^- 0.468333 = 1$

**Normalization of 3 subshells result:**

$n^+ = 1.42829 \pm 0$  (for stripping)

$n^- = 1.31989 \pm 0$  (for pick-up)

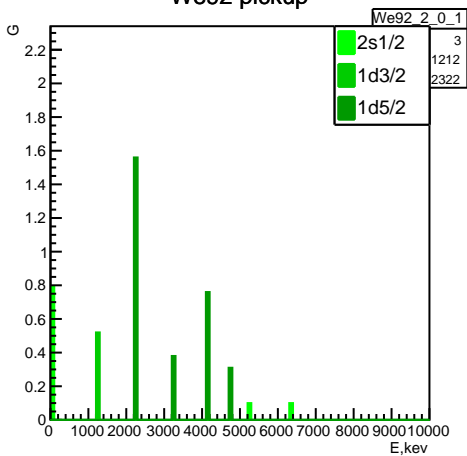
$2s1/2$   $G^+, G^-$ :  $0.34 \rightarrow 0.485618$   $1.62 \rightarrow 2.13823$

$1d3/2$   $G^+, G^-$ :  $2.36 \rightarrow 3.37076$   $0.68 \rightarrow 0.897527$

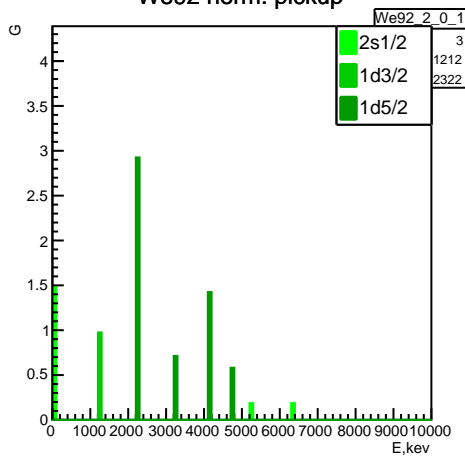
$1d5/2$   $G^+, G^-$ :  $0.012 \rightarrow 0.0171395$   $2.81 \rightarrow 3.7089$

$1f5/2$   $G^+, G^-$ :  $5.52 \rightarrow 7.88415$   $5.52 \rightarrow 7.28581$

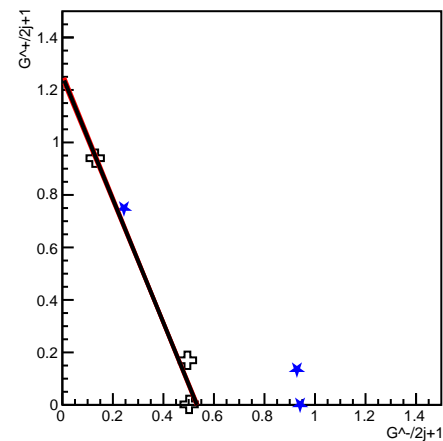
We92 pickup



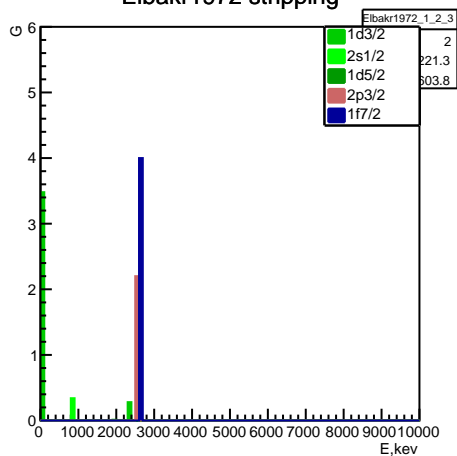
We92 norm. pickup



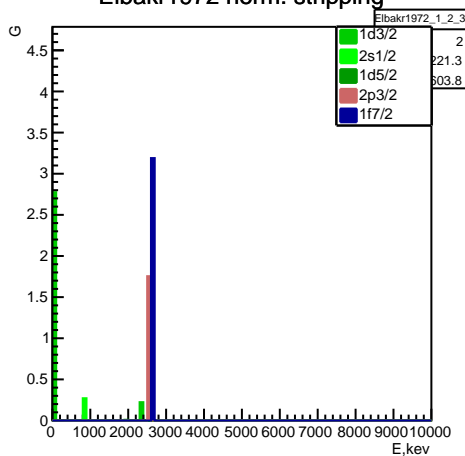
Fit graph



Elbakra1972 stripping



Elbakra1972 norm. stripping



Experiment: We92 (8) Elbakra1972 (6)

$n^+ G^{++} + n^- G^{*-} = 1$  equations:

2s1/2:  $n^+ 0.17 + n^- 0.495 = 1$

1d3/2:  $n^+ 0.94 + n^- 0.13 = 1$

1d5/2:  $n^+ 0.002 + n^- 0.501667 = 1$

Normalization of 3 subshells result:

$n^+ = 0.79756 \pm 0$  (for stripping)

$n^- = 1.87554 \pm 0$  (for pick-up)

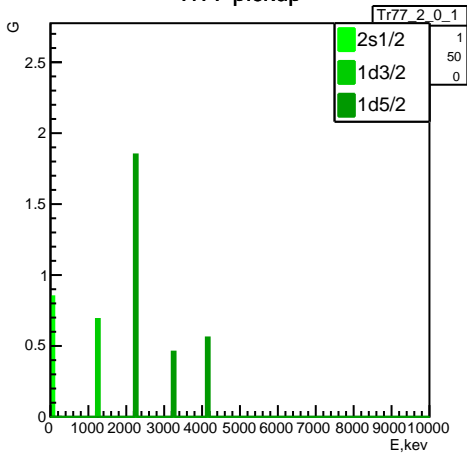
2s1/2  $G^+, G^-$ : 0.34->0.27117 0.99->1.85679

1d3/2  $G^+, G^-$ : 3.76->2.99883 0.52->0.975283

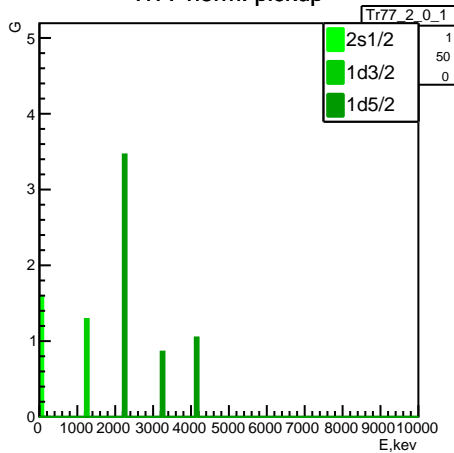
1d5/2  $G^+, G^-$ : 0.012->0.00957072 3.01->5.6453

2p3/2  $G^+, G^-$ : 2.2->1.75463 2.2->4.1262

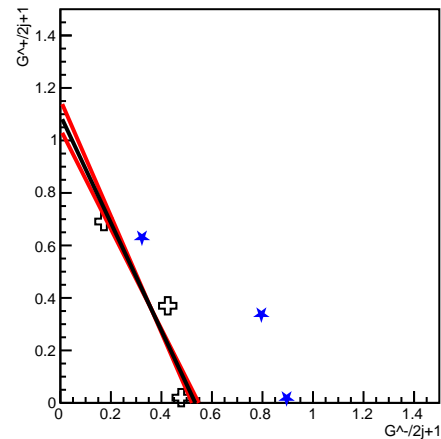
Tr77 pickup



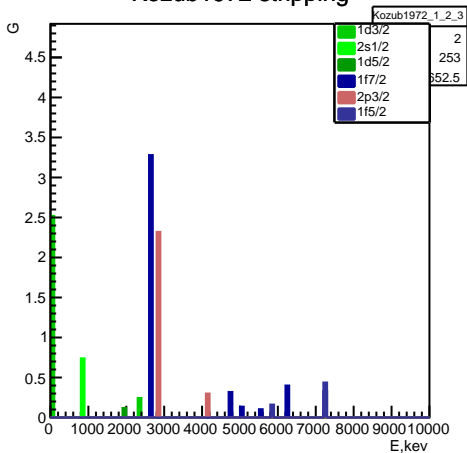
Tr77 norm. pickup



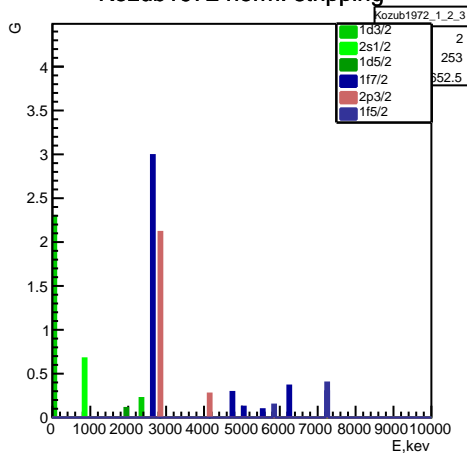
Fit graph



Kozub1972 stripping



Kozub1972 norm. stripping



Experiment: Tr77 (5) Kozub1972 (14)

$n^+ G^{++} + n^- G^{*-} = 1$  equations:

$2s1/2$ :  $n^+ 0.37 + n^- 0.425 = 1$

$1d3/2$ :  $n^+ 0.691 + n^- 0.1725 = 1$

$1d5/2$ :  $n^+ 0.02 + n^- 0.478333 = 1$

Normalization of 3 subshells result:

$n^+ = 0.912162 \pm 0$  (for stripping)

$n^- = 1.87199 \pm 0$  (for pick-up)

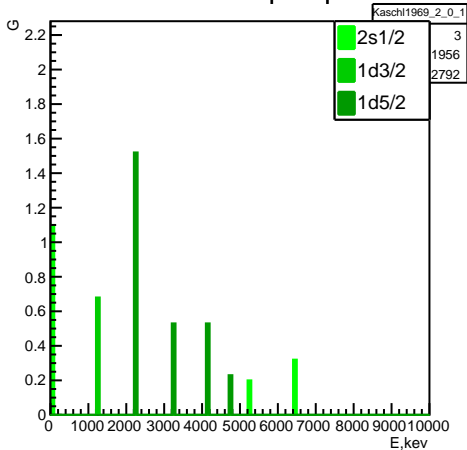
$2s1/2$   $G^+, G^-$ :  $0.74 \rightarrow 0.675$   $0.85 \rightarrow 1.59119$

$1d3/2$   $G^+, G^-$ :  $2.764 \rightarrow 2.52122$   $0.69 \rightarrow 1.29168$

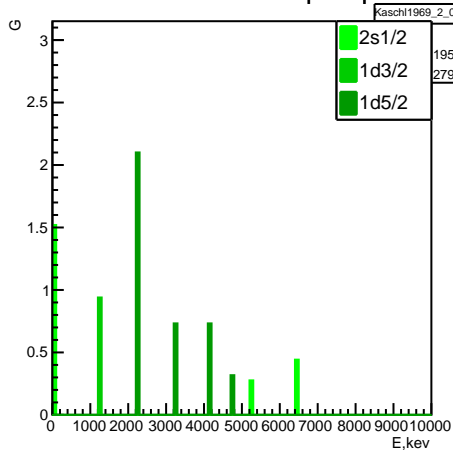
$1d5/2$   $G^+, G^-$ :  $0.12 \rightarrow 0.109459$   $2.87 \rightarrow 5.37262$

$1f7/2$   $G^+, G^-$ :  $4.568 \rightarrow 4.16676$   $4.568 \rightarrow 8.55127$

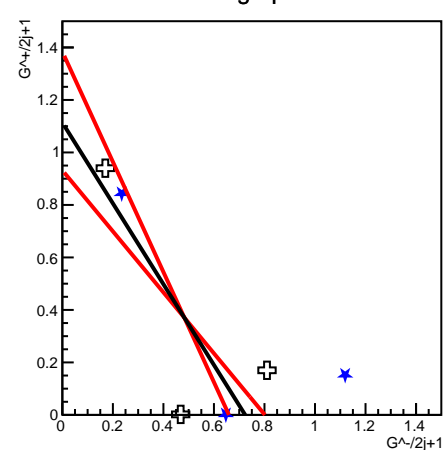
Kaschl1969 pickup



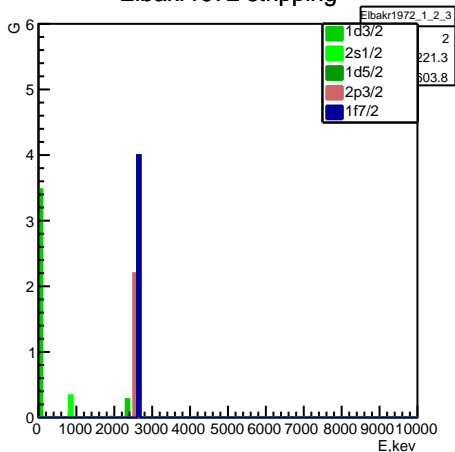
Kaschl1969 norm. pickup



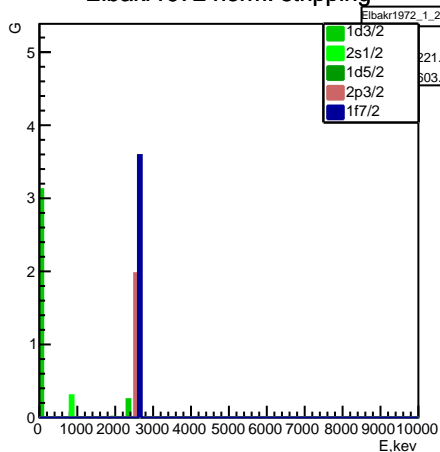
Fit graph



Elbakr1972 stripping



Elbakr1972 norm. stripping



Experiment: Kaschl1969 (8) Elbakr1972 (6)

$n^+ G^{*+} + n^- G^{*-} = 1$  equations:

2s1/2:  $n^+ 0.17 + n^- 0.81 = 1$

1d3/2:  $n^+ 0.94 + n^- 0.17 = 1$

1d5/2:  $n^+ 0.002 + n^- 0.468333 = 1$

Normalization of 3 subshells result:

$n^+ = 0.897906 \pm 0$  (for stripping)

$n^- = 1.38195 \pm 0$  (for pick-up)

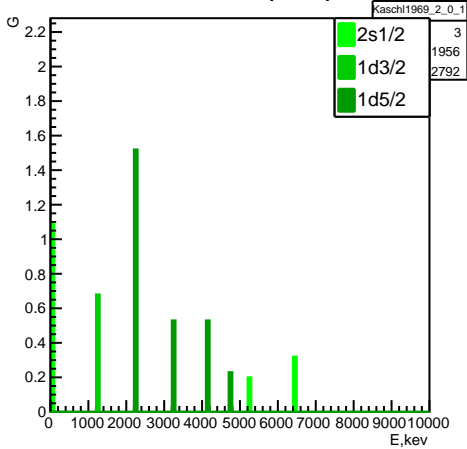
2s1/2  $G^+, G^-$ : 0.34->0.305288 1.62->2.23876

1d3/2  $G^+, G^-$ : 3.76->3.37613 0.68->0.939728

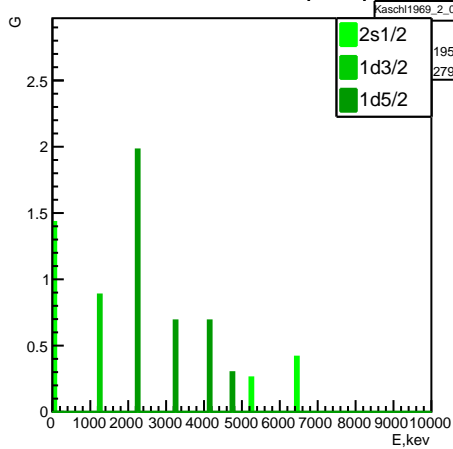
1d5/2  $G^+, G^-$ : 0.012->0.0107749 2.81->3.88329

2p3/2  $G^+, G^-$ : 2.2->1.97539 2.2->3.0403

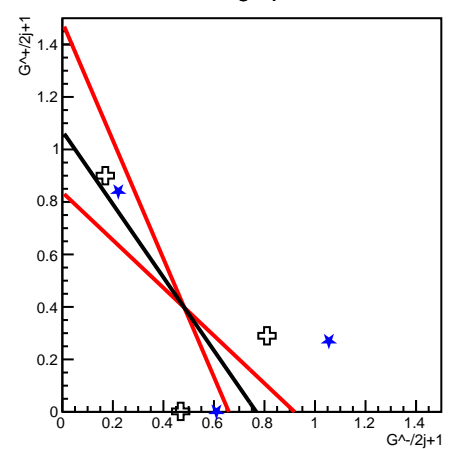
Kaschl1969 pickup



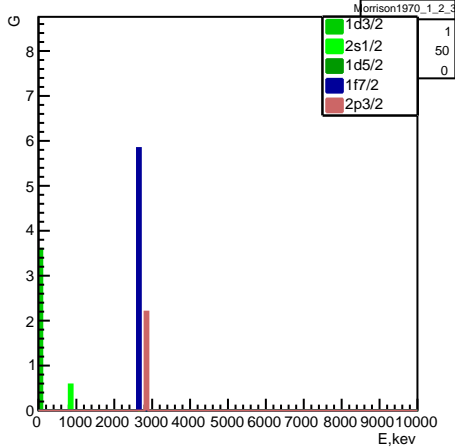
Kaschl1969 norm. pickup



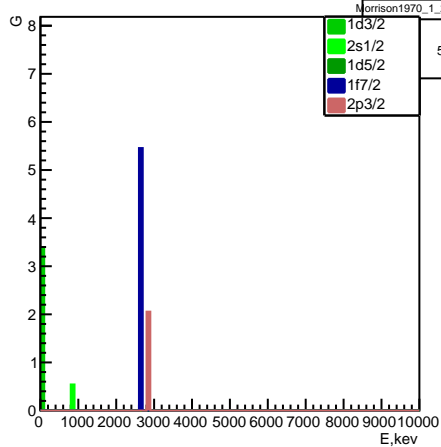
Fit graph



Morrison1970 stripping



Morrison1970 norm. stripping



Experiment: Kaschl1969 (8) Morrison1970 (5)

$n^+ G^{*+} + n^- G^{*-} = 1$  equations:

2s1/2:  $n^+ 0.29 + n^- 0.81 = 1$

1d3/2:  $n^+ 0.9 + n^- 0.17 = 1$

1d5/2:  $n^+ 0.002 + n^- 0.468333 = 1$

Normalization of 3 subshells result:

$n^+ = 0.93434 \pm 0$  (for stripping)

$n^- = 1.30237 \pm 0$  (for pick-up)

2s1/2  $G^+, G^-$ : 0.58->0.541917 1.62->2.10984

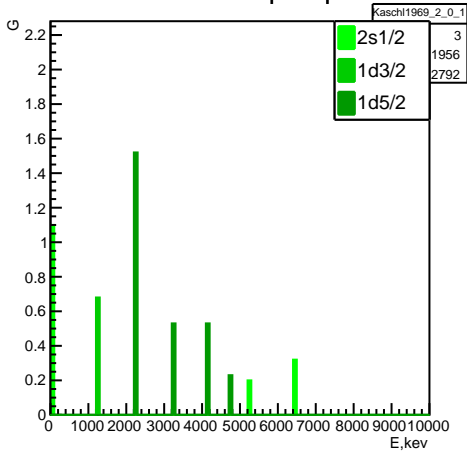
1d3/2  $G^+, G^-$ : 3.6->3.36363 0.68->0.885612

1d5/2  $G^+, G^-$ : 0.012->0.0112121 2.81->3.65966

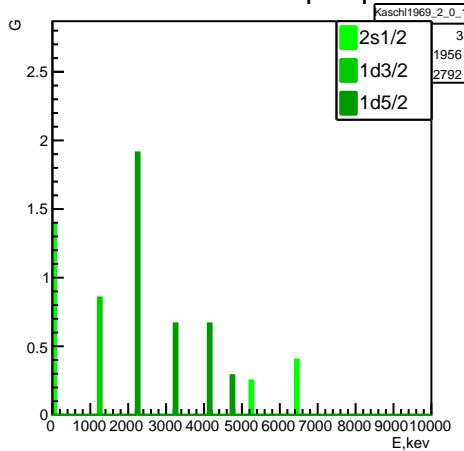
1f7/2  $G^+, G^-$ : 5.84->5.45655 5.84->7.60584



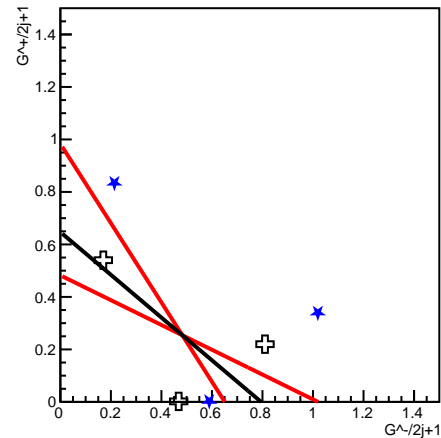
Kaschl1969 pickup



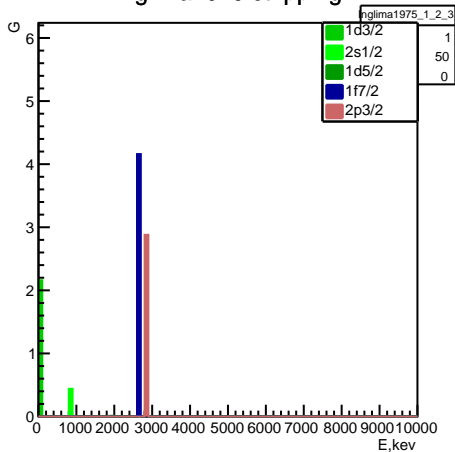
Kaschl1969 norm. pickup



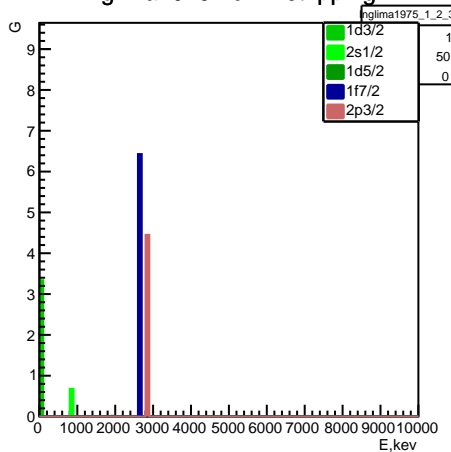
Fit graph



Inglima1975 stripping



Inglima1975 norm. stripping



Experiment: Kaschl1969 (8) Inglima1975 (5)

$n^+ G^{*+} + n^- G^{*-} = 1$  equations:

$2s1/2$ :  $n^+ 0.22 + n^- 0.81 = 1$

$1d3/2$ :  $n^+ 0.54 + n^- 0.17 = 1$

$1d5/2$ :  $n^+ 0.002 + n^- 0.468333 = 1$

Normalization of 3 subshells result:

$n^+ = 1.54543 \pm 0$  (for stripping)

$n^- = 1.25826 \pm 0$  (for pick-up)

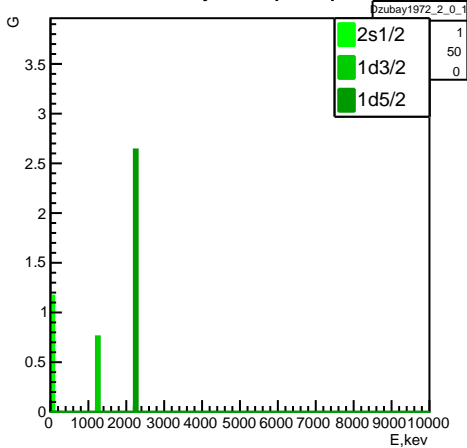
$2s1/2$   $G^+, G^-$ :  $0.44 \rightarrow 0.67999$   $1.62 \rightarrow 2.03838$

$1d3/2$   $G^+, G^-$ :  $2.16 \rightarrow 3.33813$   $0.68 \rightarrow 0.855617$

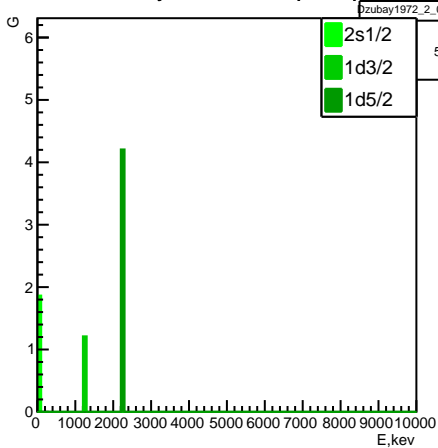
$1d5/2$   $G^+, G^-$ :  $0.012 \rightarrow 0.0185452$   $2.81 \rightarrow 3.53571$

$1f7/2$   $G^+, G^-$ :  $4.16 \rightarrow 6.429$   $4.16 \rightarrow 5.23436$

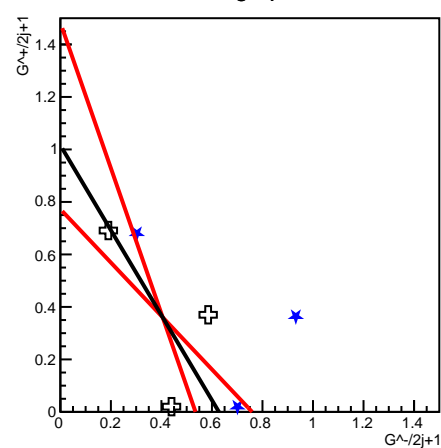
Dzubay1972 pickup



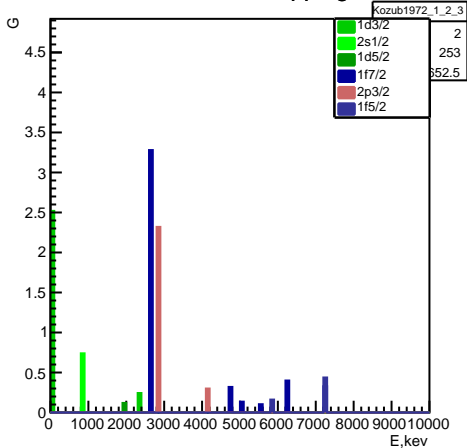
Dzubay1972 norm. pickup



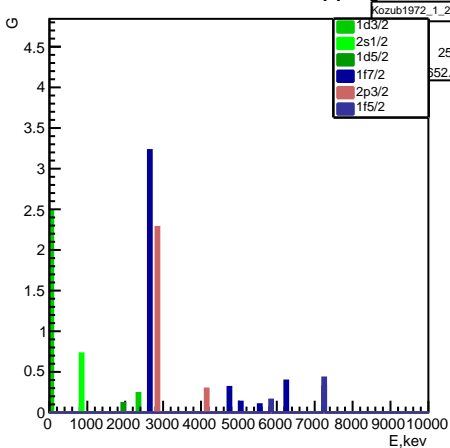
Fit graph



Kozub1972 stripping



Kozub1972 norm. stripping



**Experiment: Dzubay1972 (3) Kozub1972 (14)**

**$n^+G^{++} + n^-G^{*-} = 1$  equations:**

**$2s1/2$ :  $n^+ 0.37 + n^- 0.585 = 1$**

**$1d3/2$ :  $n^+ 0.691 + n^- 0.19 = 1$**

**$1d5/2$ :  $n^+ 0.02 + n^- 0.44 = 1$**

**Normalization of 3 subshells result:**

**$n^+ = 0.984403 \pm 0$  (for stripping)**

**$n^- = 1.5933 \pm 0$  (for pick-up)**

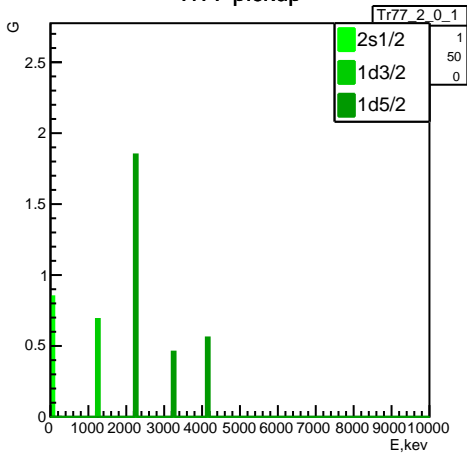
**$2s1/2$   $G^+, G^-$ :  $0.74 \rightarrow 0.728458$   $1.17 \rightarrow 1.86416$**

**$1d3/2$   $G^+, G^-$ :  $2.764 \rightarrow 2.72089$   $0.76 \rightarrow 1.21091$**

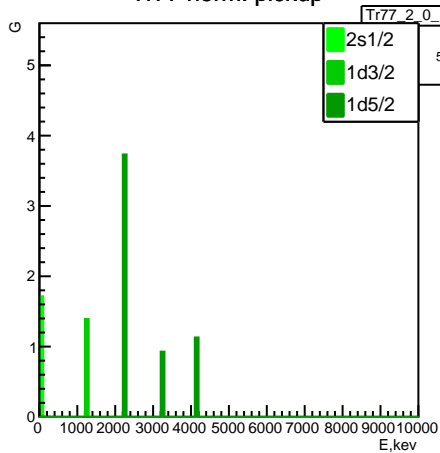
**$1d5/2$   $G^+, G^-$ :  $0.12 \rightarrow 0.118128$   $2.64 \rightarrow 4.20631$**

**$1f7/2$   $G^+, G^-$ :  $4.568 \rightarrow 4.49675$   $4.568 \rightarrow 7.2782$**

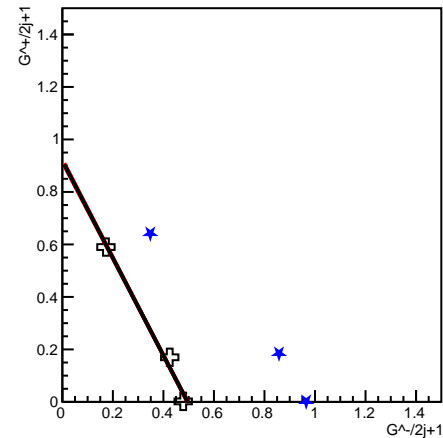
Tr77 pickup



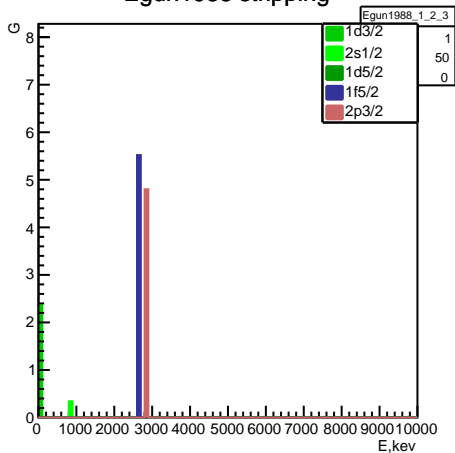
Tr77 norm. pickup



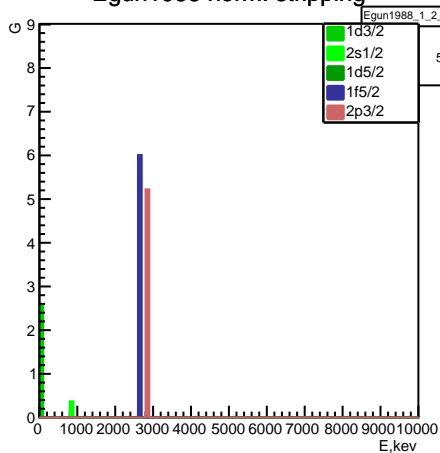
Fit graph



Egun1988 stripping



Egun1988 norm. stripping



Experiment: Tr77 (5) Egun1988 (5)

$n^+ G^{*+} + n^- G^{*-} = 1$  equations:

$2s1/2$ :  $n^+ 0.17 + n^- 0.425 = 1$

$1d3/2$ :  $n^+ 0.59 + n^- 0.1725 = 1$

$1d5/2$ :  $n^+ 0.002 + n^- 0.478333 = 1$

Normalization of 3 subshells result:

$n^+ = 1.08835 \pm 0$  (for stripping)

$n^- = 2.01767 \pm 0$  (for pick-up)

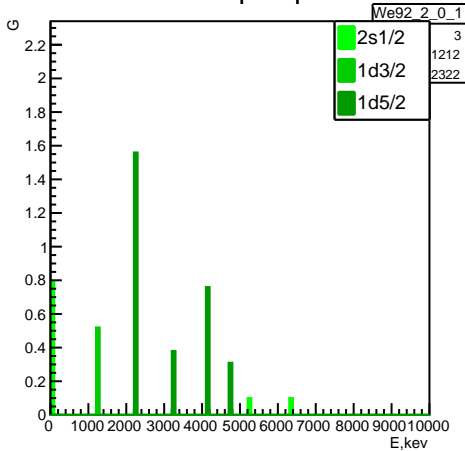
$2s1/2$   $G^+, G^-$ :  $0.34 \rightarrow 0.370041$   $0.85 \rightarrow 1.71502$

$1d3/2$   $G^+, G^-$ :  $2.36 \rightarrow 2.56852$   $0.69 \rightarrow 1.39219$

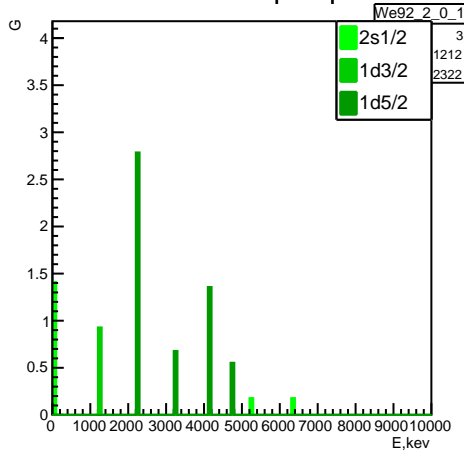
$1d5/2$   $G^+, G^-$ :  $0.012 \rightarrow 0.0130603$   $2.87 \rightarrow 5.79071$

$1f5/2$   $G^+, G^-$ :  $5.52 \rightarrow 6.00772$   $5.52 \rightarrow 11.1375$

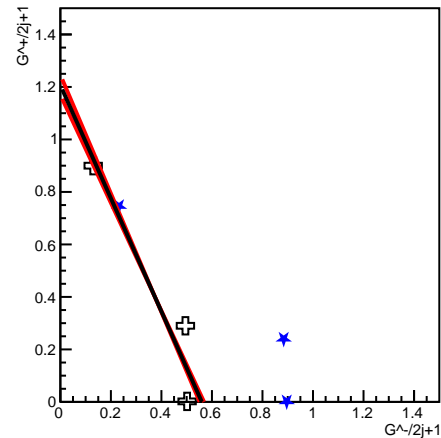
We92 pickup



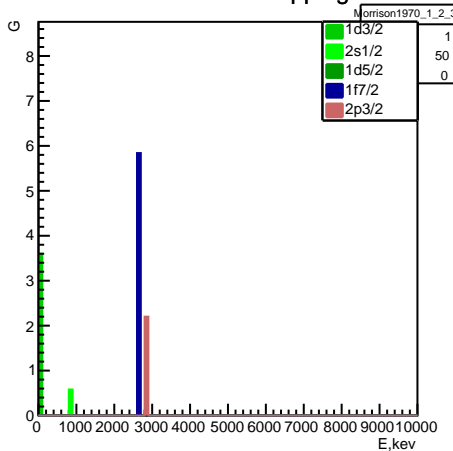
We92 norm. pickup



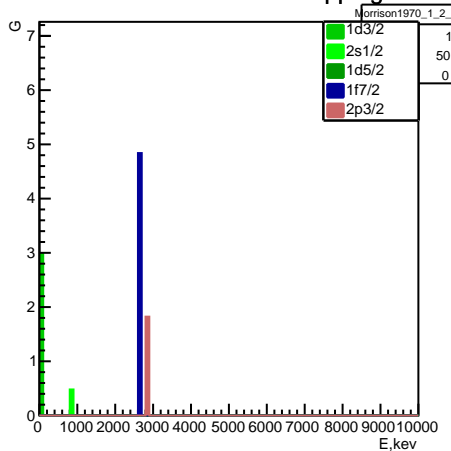
Fit graph



Morrison1970 stripping



Morrison1970 norm. stripping



**Experiment: We92 (8) Morrison1970 (5)**

$n^+ G^{++} + n^- G^{*-} = 1$  equations:

2s1/2:  $n^+ 0.29 + n^- 0.495 = 1$

1d3/2:  $n^+ 0.9 + n^- 0.13 = 1$

1d5/2:  $n^+ 0.002 + n^- 0.501667 = 1$

**Normalization of 3 subshells result:**

$n^+ = 0.828718 \pm 0$  (for stripping)

$n^- = 1.78595 \pm 0$  (for pick-up)

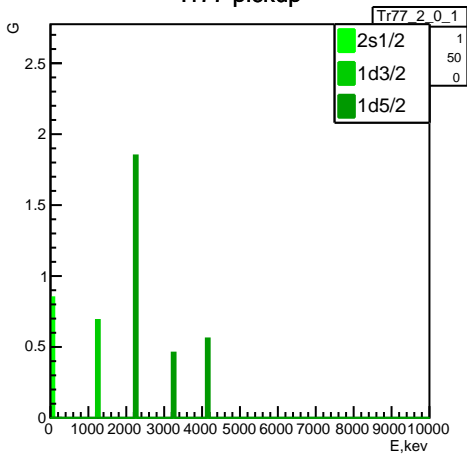
2s1/2  $G^+, G^-$ : 0.58->0.480656 0.99->1.76809

1d3/2  $G^+, G^-$ : 3.6->2.98338 0.52->0.928693

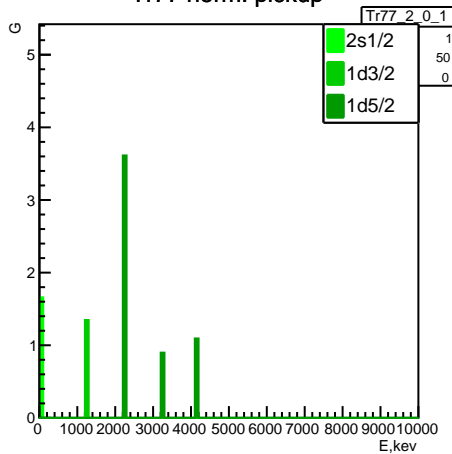
1d5/2  $G^+, G^-$ : 0.012->0.00994461 3.01->5.3757

1f7/2  $G^+, G^-$ : 5.84->4.83971 5.84->10.4299

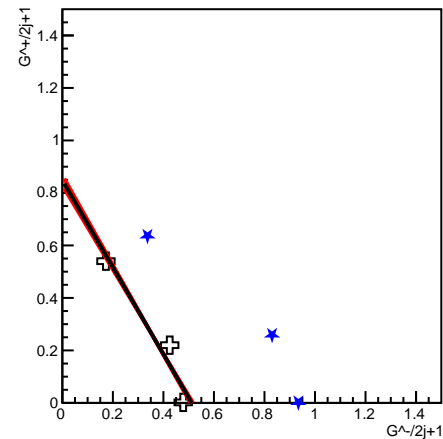
Tr77 pickup



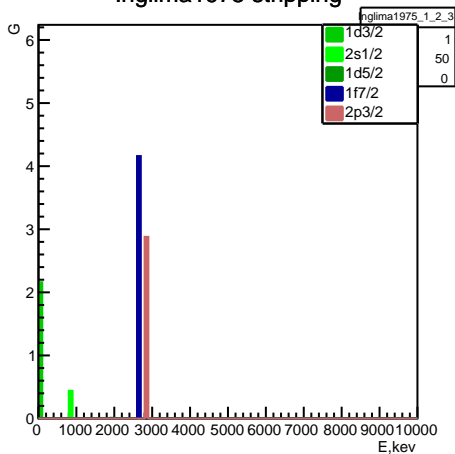
Tr77 norm. pickup



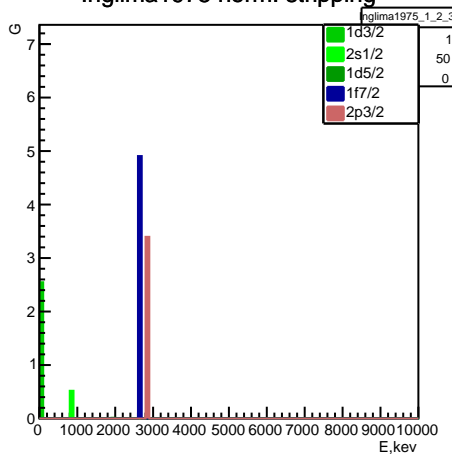
Fit graph



Inglima1975 stripping



Inglima1975 norm. stripping



Experiment: Tr77 (5) Inglima1975 (5)

$n^+ G^{++} + n^- G^{*-} = 1$  equations:

2s1/2:  $n^+ 0.22 + n^- 0.425 = 1$

1d3/2:  $n^+ 0.54 + n^- 0.1725 = 1$

1d5/2:  $n^+ 0.002 + n^- 0.478333 = 1$

Normalization of 3 subshells result:

$n^+ = 1.1794 \pm 0$  (for stripping)

$n^- = 1.95318 \pm 0$  (for pick-up)

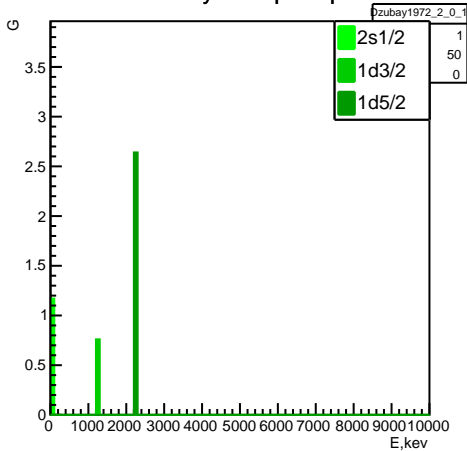
2s1/2  $G^+, G^-$ : 0.44->0.518934 0.85->1.66021

1d3/2  $G^+, G^-$ : 2.16->2.54749 0.69->1.3477

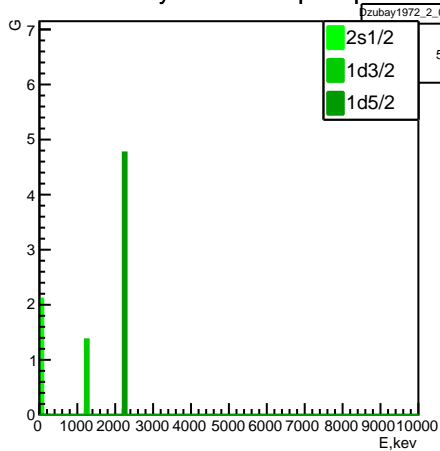
1d5/2  $G^+, G^-$ : 0.012->0.0141527 2.87->5.60564

1f7/2  $G^+, G^-$ : 4.16->4.90628 4.16->8.12525

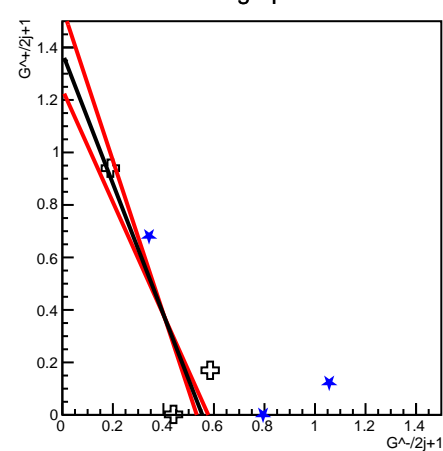
Dzubay1972 pickup



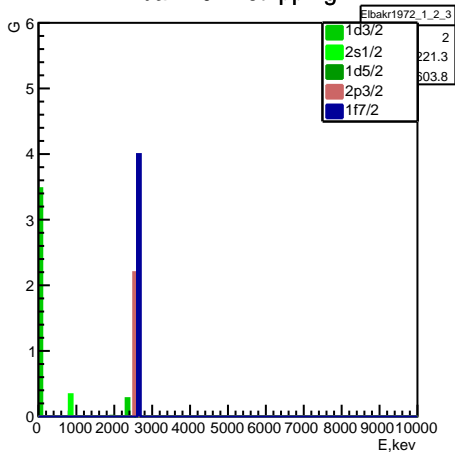
Dzubay1972 norm. pickup



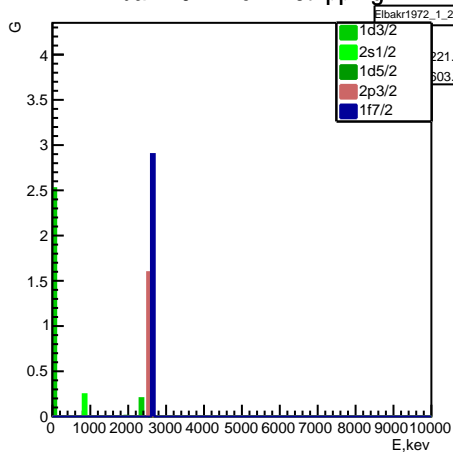
Fit graph



Elbakra1972 stripping



Elbakra1972 norm. stripping



**Experiment: Dzubay1972 (3) Elbakra1972 (6)**

**$n^+ G^{++} + n^- G^{*-} = 1$  equations:**

**2s1/2:  $n^+ 0.17 + n^- 0.585 = 1$**

**1d3/2:  $n^+ 0.94 + n^- 0.19 = 1$**

**1d5/2:  $n^+ 0.002 + n^- 0.44 = 1$**

**Normalization of 3 subshells result:**

**$n^+ = 0.725199 \pm 0$  (for stripping)**

**$n^- = 1.80541 \pm 0$  (for pick-up)**

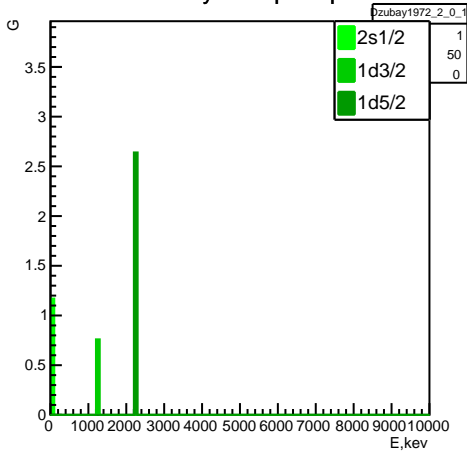
**2s1/2  $G^+, G^-$ : 0.34->0.246568 1.17->2.11233**

**1d3/2  $G^+, G^-$ : 3.76->2.72675 0.76->1.37211**

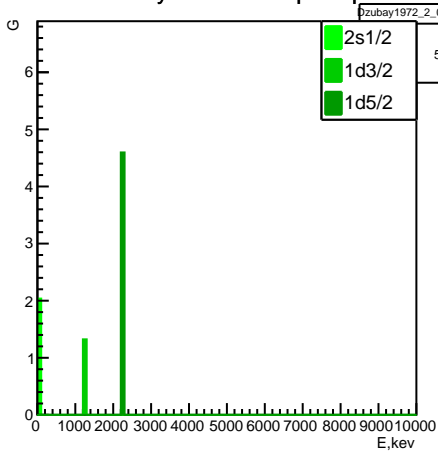
**1d5/2  $G^+, G^-$ : 0.012->0.00870239 2.64->4.7662**

**2p3/2  $G^+, G^-$ : 2.2->1.59544 2.2->3.97191**

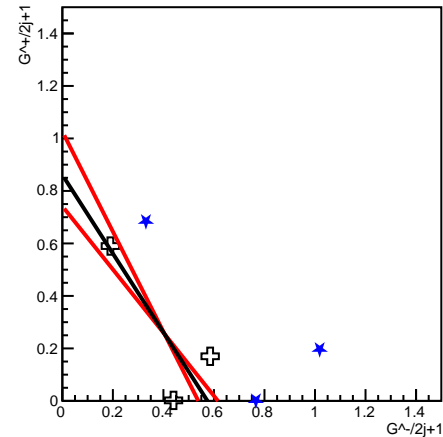
Dzubay1972 pickup



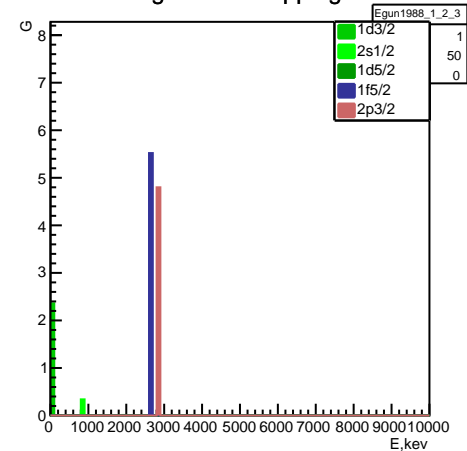
Dzubay1972 norm. pickup



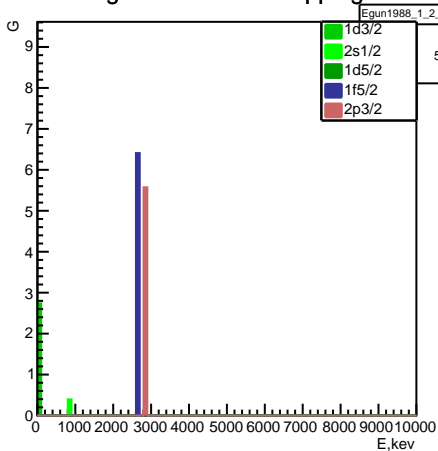
Fit graph



Egun1988 stripping



Egun1988 norm. stripping



**Experiment: Dzubay1972 (3) Egun1988 (5)**

**$n^+G^{++} + n^-G^{*-} = 1$  equations:**

**2s1/2:  $n^+ 0.17 + n^- 0.585 = 1$**

**1d3/2:  $n^+ 0.59 + n^- 0.19 = 1$**

**1d5/2:  $n^+ 0.002 + n^- 0.44 = 1$**

**Normalization of 3 subshells result:**

**$n^+ = 1.1611 \pm 0$  (for stripping)**

**$n^- = 1.74094 \pm 0$  (for pick-up)**

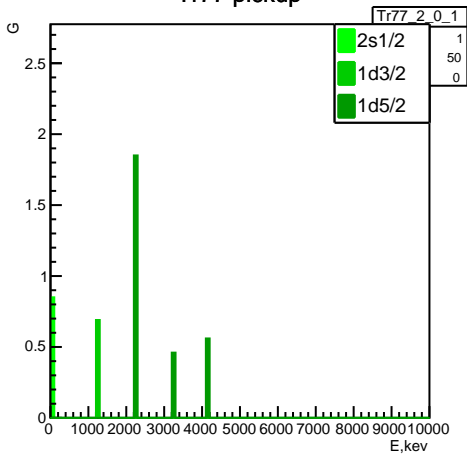
**2s1/2  $G^+, G^-$ : 0.34->0.394775 1.17->2.0369**

**1d3/2  $G^+, G^-$ : 2.36->2.7402 0.76->1.32311**

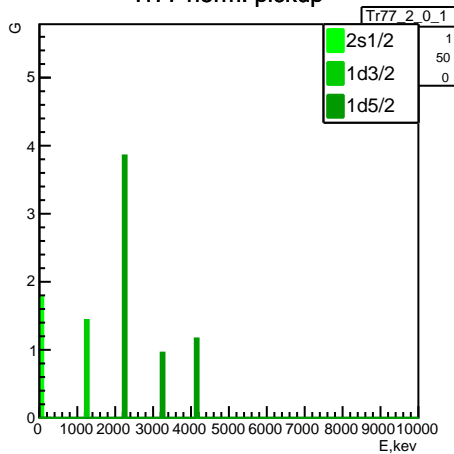
**1d5/2  $G^+, G^-$ : 0.012->0.0139332 2.64->4.59608**

**1f5/2  $G^+, G^-$ : 5.52->6.40928 5.52->9.60998**

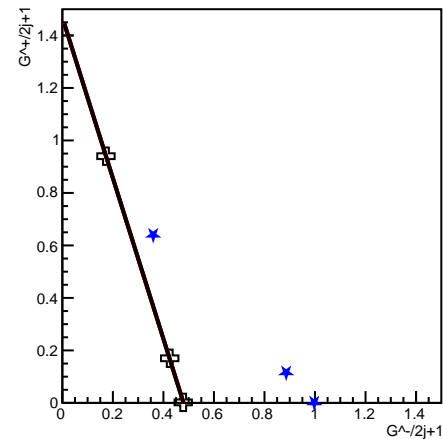
Tr77 pickup



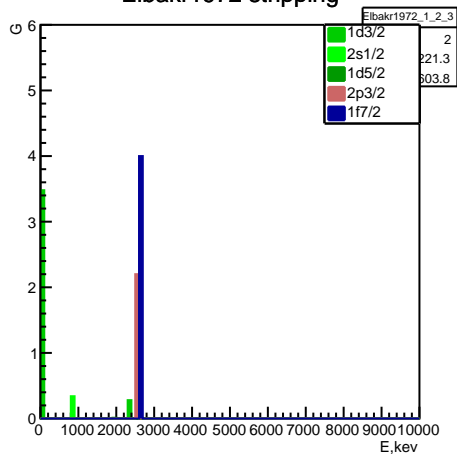
Tr77 norm. pickup



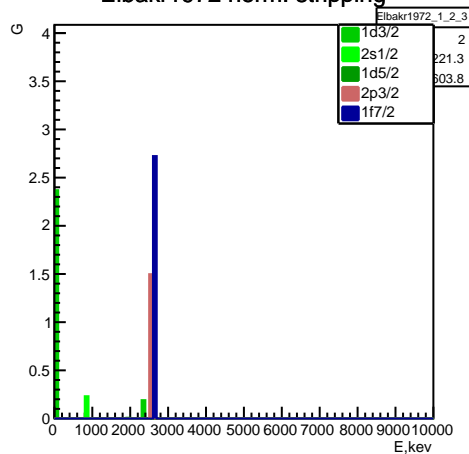
Fit graph



Elbakra1972 stripping



Elbakra1972 norm. stripping



**Experiment: Tr77 (5) Elbakra1972 (6)**

**$n^+ G^{++} + n^- G^{*-} = 1$  equations:**

**2s1/2:  $n^+ 0.17 + n^- 0.425 = 1$**

**1d3/2:  $n^+ 0.94 + n^- 0.1725 = 1$**

**1d5/2:  $n^+ 0.002 + n^- 0.478333 = 1$**

**Normalization of 3 subshells result:**

**$n^+ = 0.680931 \pm 0$  (for stripping)**

**$n^- = 2.08471 \pm 0$  (for pick-up)**

**2s1/2  $G^+, G^-$ : 0.34->0.231517 0.85->1.77201**

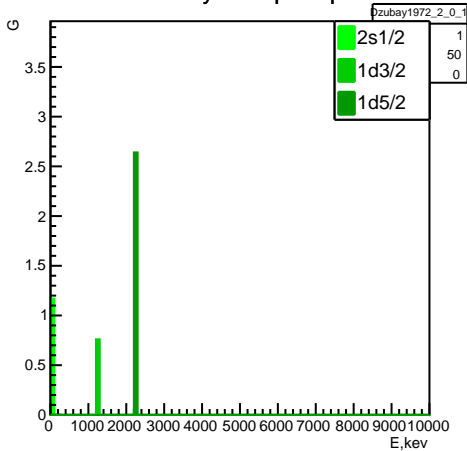
**1d3/2  $G^+, G^-$ : 3.76->2.5603 0.69->1.43845**

**1d5/2  $G^+, G^-$ : 0.012->0.00817118 2.87->5.9831**

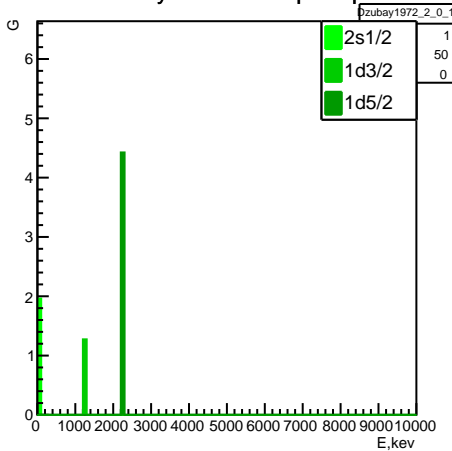
**2p3/2  $G^+, G^-$ : 2.2->1.49805 2.2->4.58637**



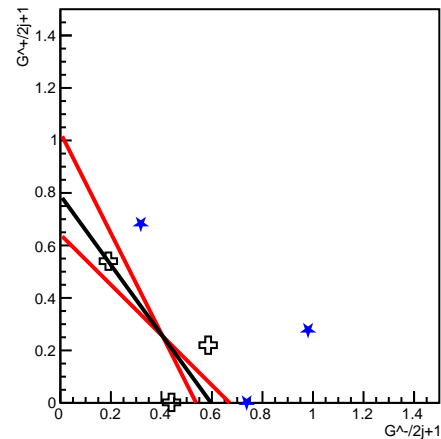
Dzubay1972 pickup



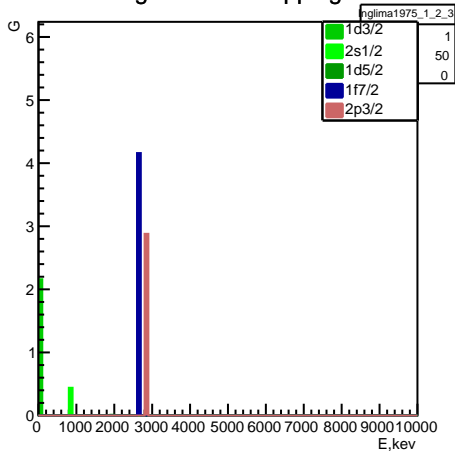
Dzubay1972 norm. pickup



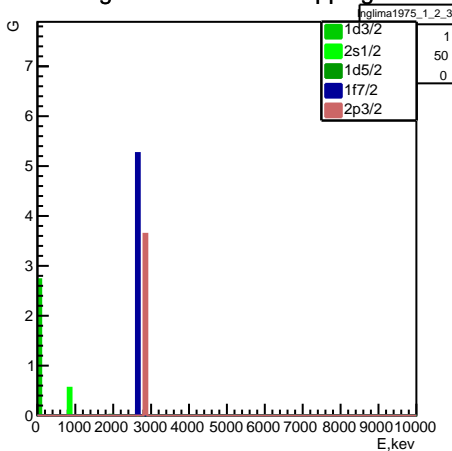
Fit graph



Inglima1975 stripping



Inglima1975 norm. stripping



**Experiment: Dzubay1972 (3) Inglima1975 (5)**

$n^+ G^{*+} + n^- G^{*-} = 1$  equations:

2s1/2:  $n^+ 0.22 + n^- 0.585 = 1$

1d3/2:  $n^+ 0.54 + n^- 0.19 = 1$

1d5/2:  $n^+ 0.002 + n^- 0.44 = 1$

**Normalization of 3 subshells result:**

$n^+ = 1.26464 \pm 0$  (for stripping)

$n^- = 1.676 \pm 0$  (for pick-up)

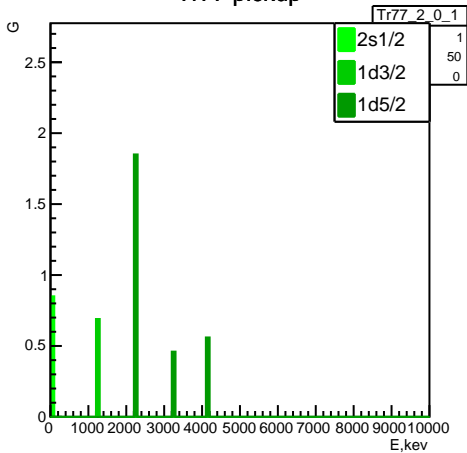
2s1/2  $G^+, G^-$ : 0.44->0.556443 1.17->1.96092

1d3/2  $G^+, G^-$ : 2.16->2.73163 0.76->1.27376

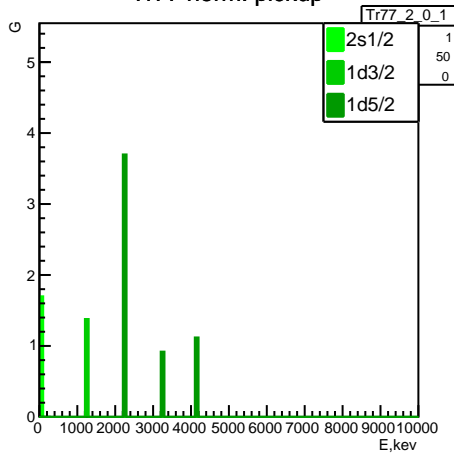
1d5/2  $G^+, G^-$ : 0.012->0.0151757 2.64->4.42465

1f7/2  $G^+, G^-$ : 4.16->5.26091 4.16->6.97217

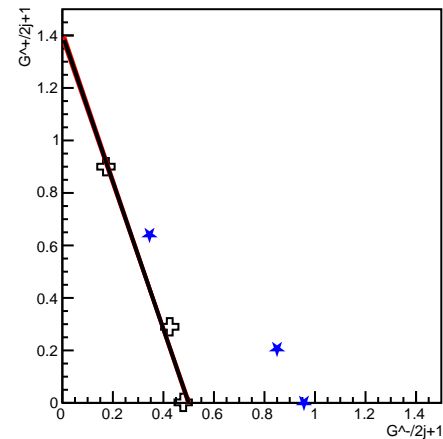
Tr77 pickup



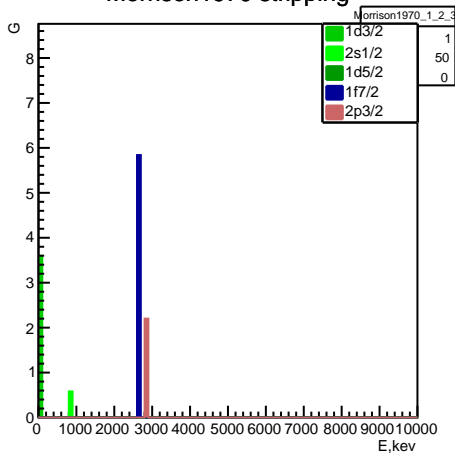
Tr77 norm. pickup



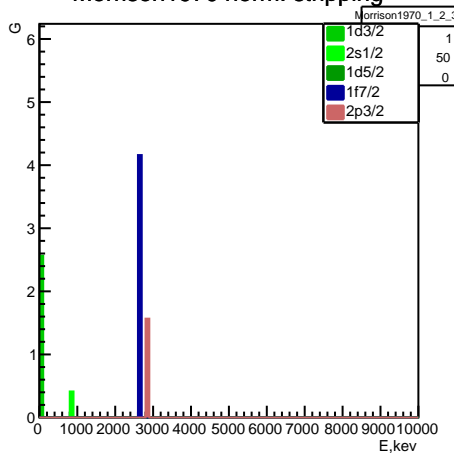
Fit graph



Morrison1970 stripping



Morrison1970 norm. stripping



**Experiment: Tr77 (5) Morrison1970 (5)**

$n^+ G^{*+} + n^- G^{*-} = 1$  equations:

$2s1/2$ :  $n^+ 0.29 + n^- 0.425 = 1$

$1d3/2$ :  $n^+ 0.9 + n^- 0.1725 = 1$

$1d5/2$ :  $n^+ 0.002 + n^- 0.478333 = 1$

**Normalization of 3 subshells result:**

$n^+ = 0.712349 \pm 0$  (for stripping)

$n^- = 1.99927 \pm 0$  (for pick-up)

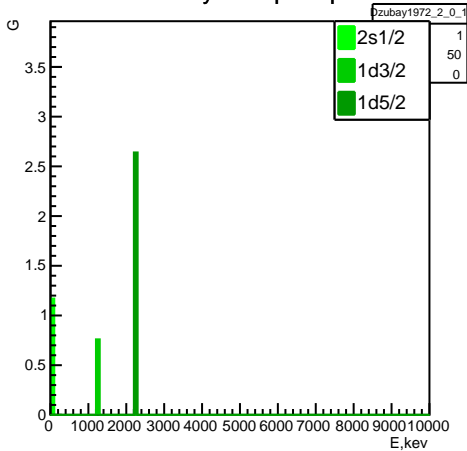
$2s1/2$   $G^+, G^-$ :  $0.58 \rightarrow 0.413163$   $0.85 \rightarrow 1.69938$

$1d3/2$   $G^+, G^-$ :  $3.6 \rightarrow 2.56446$   $0.69 \rightarrow 1.3795$

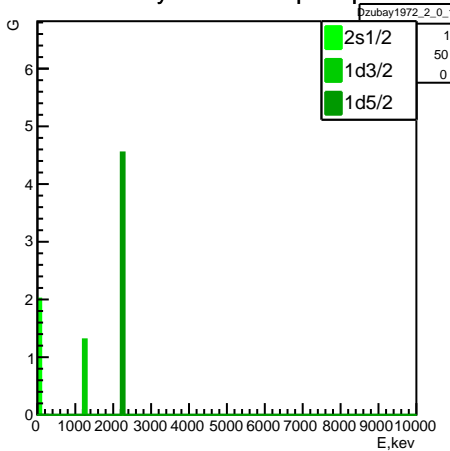
$1d5/2$   $G^+, G^-$ :  $0.012 \rightarrow 0.00854819$   $2.87 \rightarrow 5.7379$

$1f7/2$   $G^+, G^-$ :  $5.84 \rightarrow 4.16012$   $5.84 \rightarrow 11.6757$

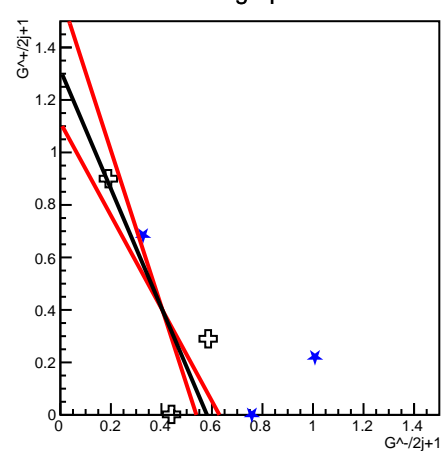
Dzubay1972 pickup



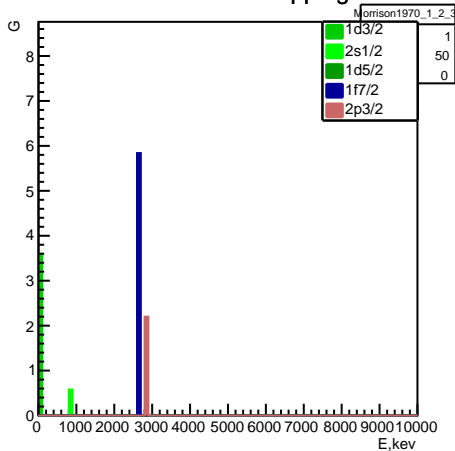
Dzubay1972 norm. pickup



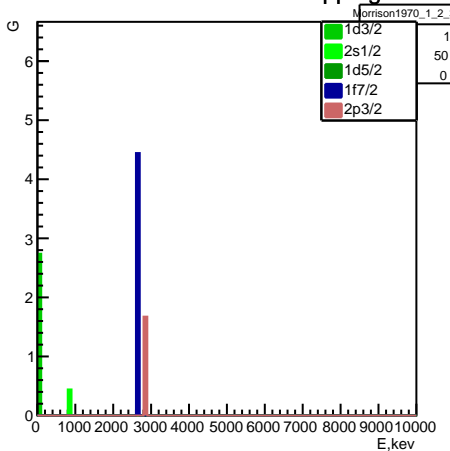
Fit graph



Morrison1970 stripping



Morrison1970 norm. stripping



Experiment: Dzubay1972 (3) Morrison1970 (3)

$n^+ G^{++} + n^- G^{*-} = 1$  equations:

2s1/2:  $n^+ 0.29 + n^- 0.585 = 1$

1d3/2:  $n^+ 0.9 + n^- 0.19 = 1$

1d5/2:  $n^+ 0.002 + n^- 0.44 = 1$

Normalization of 3 subshells result:

$n^+ = 0.760862 \pm 0$  (for stripping)

$n^- = 1.72268 \pm 0$  (for pick-up)

2s1/2  $G^+, G^-$ : 0.58->0.4413 1.17->2.01553

1d3/2  $G^+, G^-$ : 3.6->2.7391 0.76->1.30923

1d5/2  $G^+, G^-$ : 0.012->0.00913034 2.64->4.5478

1f7/2  $G^+, G^-$ : 5.84->4.44343 5.84->10.0604