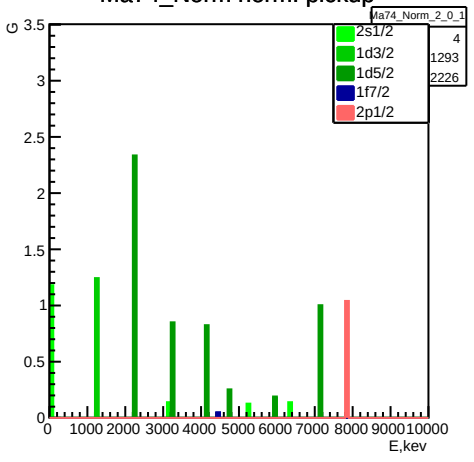
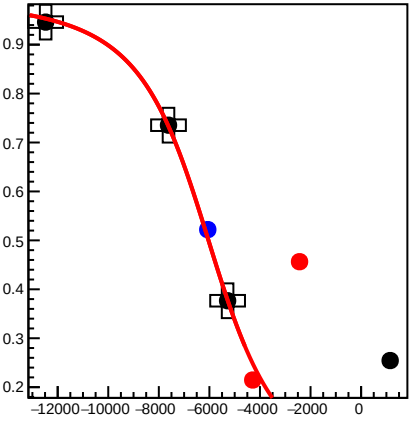
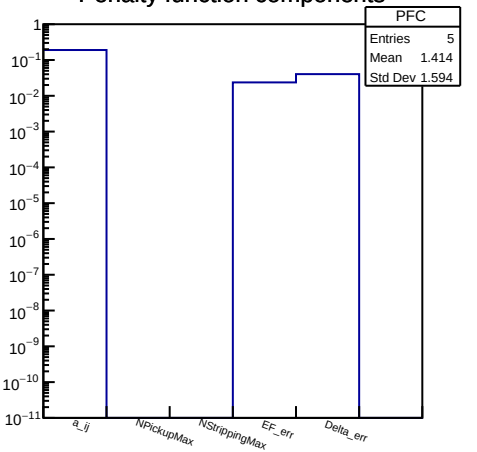
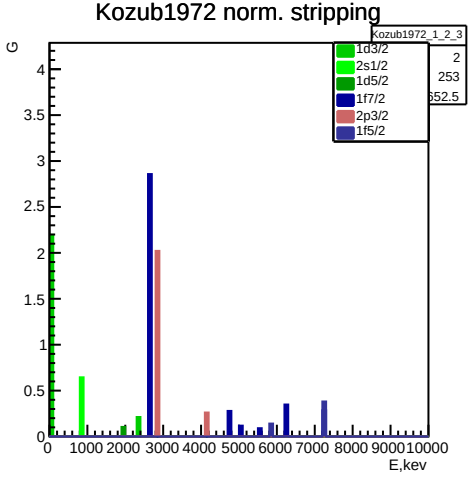
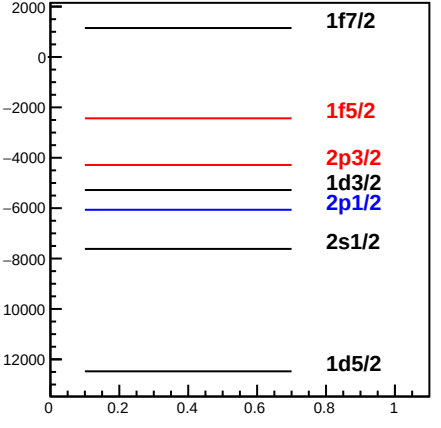










Experiment: Ma74_Norm (14) Kozub1972 (14

proton transfer_norm

n^+ = 0.871347 ± 0 n^- = 0.951833 ± 0

penalty: 0.0595668

E_F: -6036.11 ± 40.0498 keV

Δ: 3001.91 ± 101.061 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

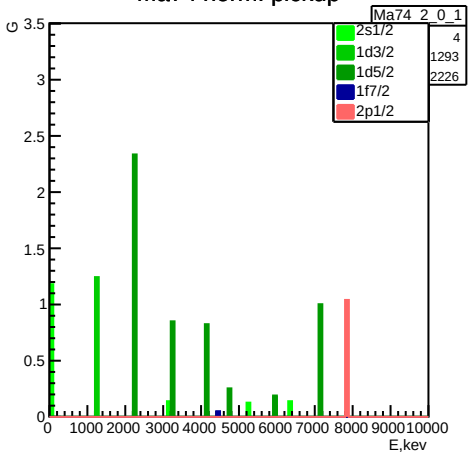
-7617.3 2s1/2 0.735398 1.11559

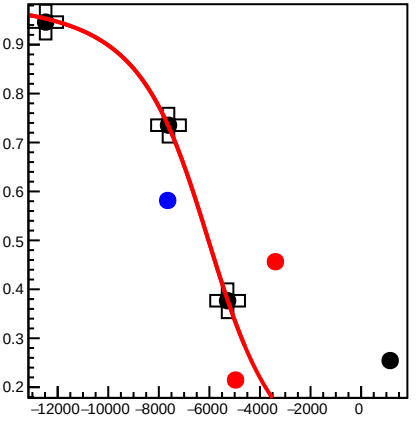
-5280.12 1d3/2 0.376625 0.957452

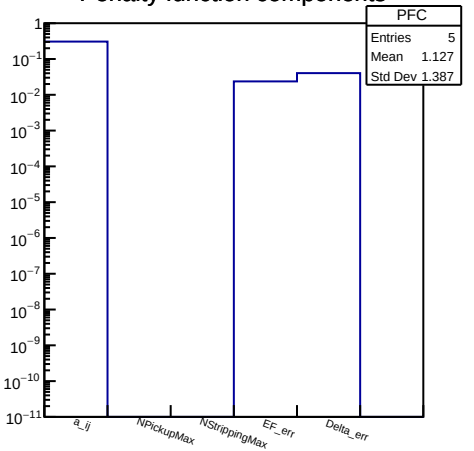
-12476.1 1d5/2 0.946051 0.926956

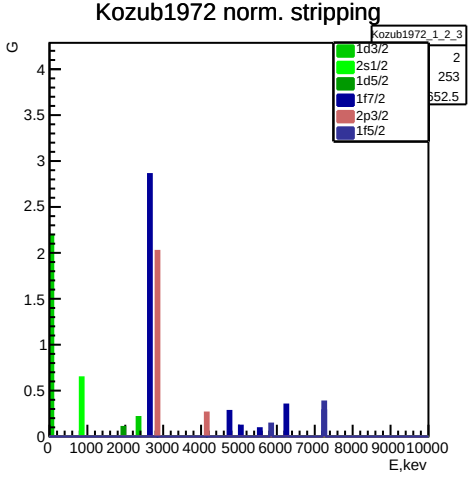
1148.89 1f7/2 0.254403 0.503885

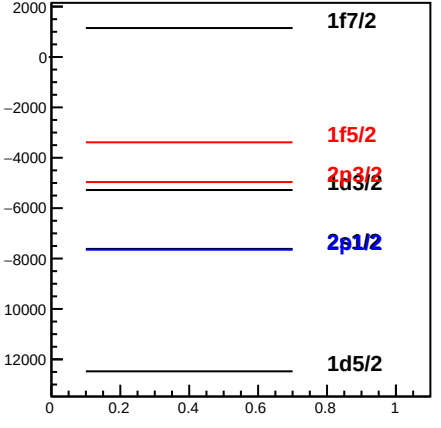
-6064.28 2p1/2 0.522 0.996672











Experiment: Ma74 (14) Kozub1972 (14)

proton transfer_norm

n^+ = 0.871347 ± 0 n^- = 1.26911 ± 0

penalty: 0.107968

E_F: -6036.11 ± 40.0498 keV

Δ: 3001.91 ± 101.061 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

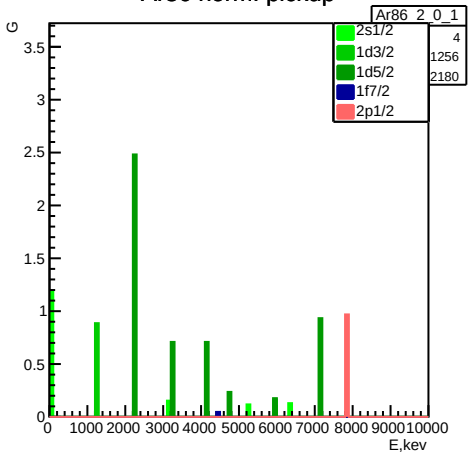
-7617.3 2s1/2 0.735398 1.11559

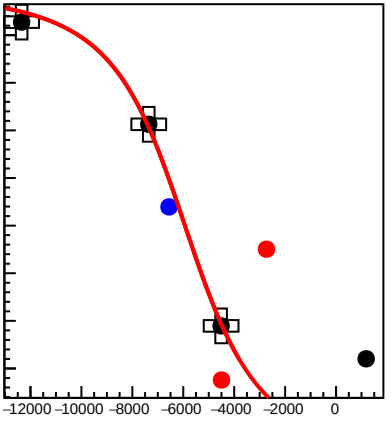
-5280.12 1d3/2 0.376625 0.957452

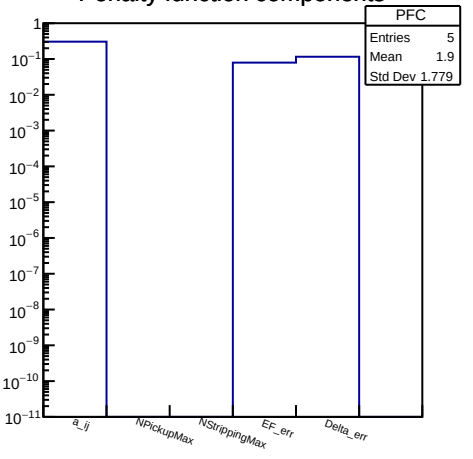
-12476.1 1d5/2 0.946051 0.926956

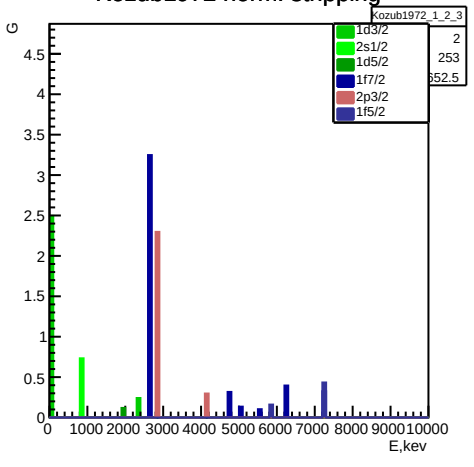
1148.89 1f7/2 0.254403 0.503885

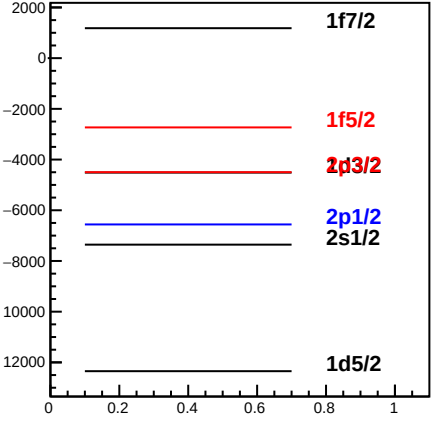
-7649.57 2p1/2 0.581542 0.877587











Experiment: Ar86 (14) Kozub1972 (14)

proton transfer_norm

n^+ = 0.990101 ± 0 n^- = 1.18205 ± 0

penalty: 0.128945

E_F: -5934.5 ± 134.039 keV

Δ: 3141.94 ± 289.814 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

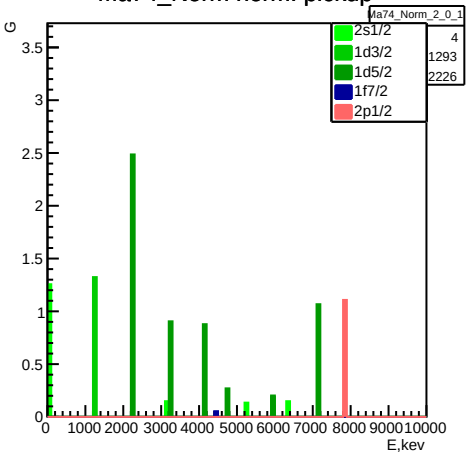
-7355.77 2s1/2 0.712819 1.15831

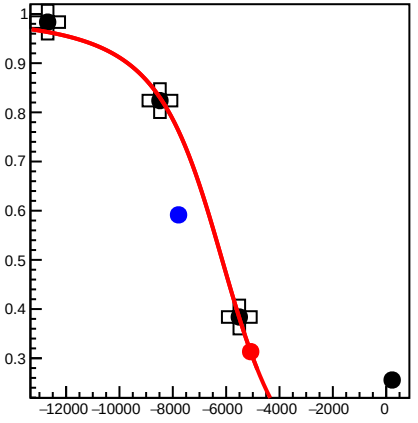
-4514.04 1d3/2 0.289423 0.947167

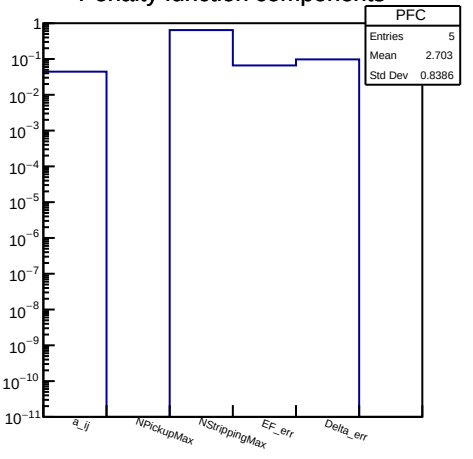
-12347 1d5/2 0.927458 0.894521

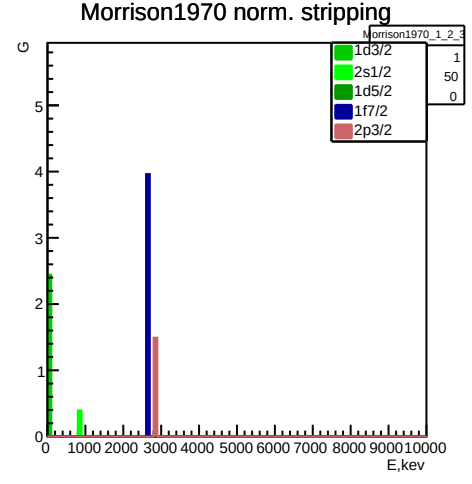
1181.76 1f7/2 0.220281 0.571258

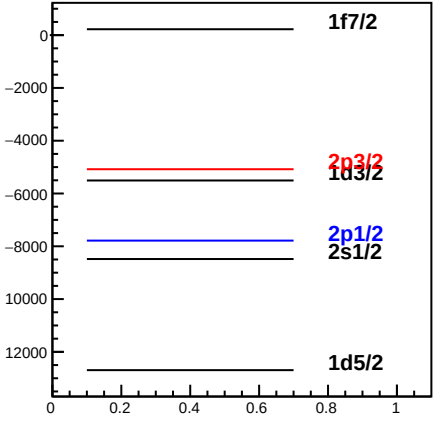
-6559.08 2p1/2 0.53935 0.890583











Experiment: Ma74_Norm (14) Morrison1970

proton transfer_norm

n^+ = 0.678537 ± 0 n^- = 1.01339 ± 0

penalty: 0.19917

E_F: -6150.59 ± 111.819 keV

Δ: -2654.99 ± 244.415 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

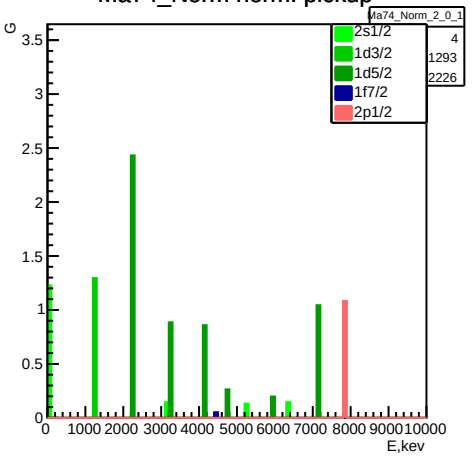
-8482.47 2s1/2 0.82386 1.04127

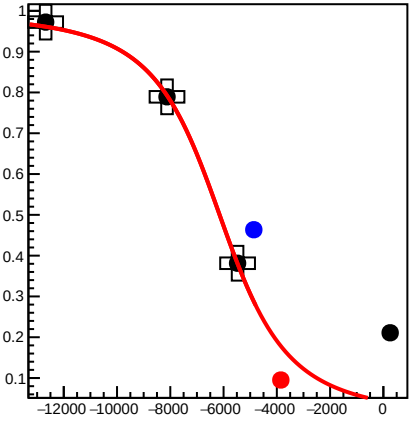
-5506.87 1d3/2 0.383825 0.989017

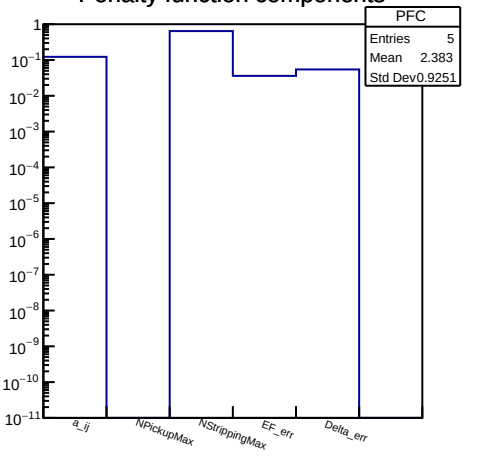
-12692.2 1d5/2 0.983499 0.969712

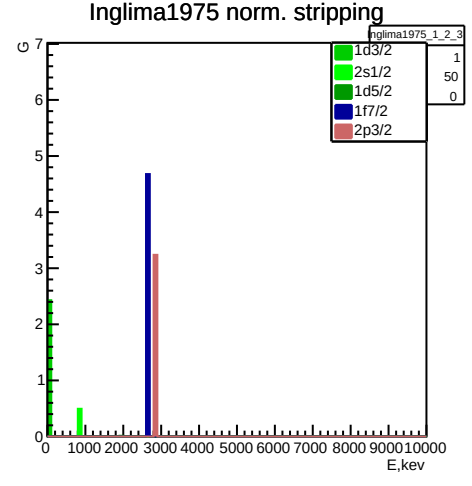
223.523 1f7/2 0.255712 0.502088

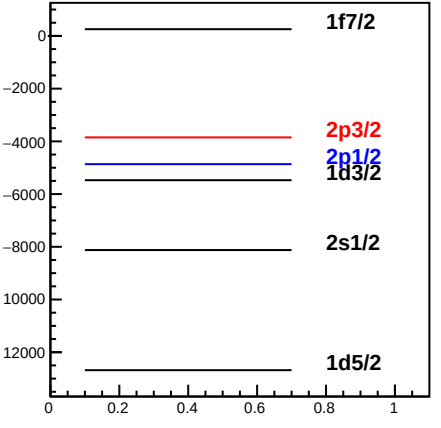
-7784.77 2p1/2 0.591528 0.924922











Experiment: Ma74_Norm (14) Inglima1975 (5

proton transfer_norm

n^+ = 1.12459 ± 0 n^- = 0.991139 ± 0

penalty: 0.204202

E_F: -6149.15 ± 60.9357 keV

Δ: -2735.92 ± 136.492 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

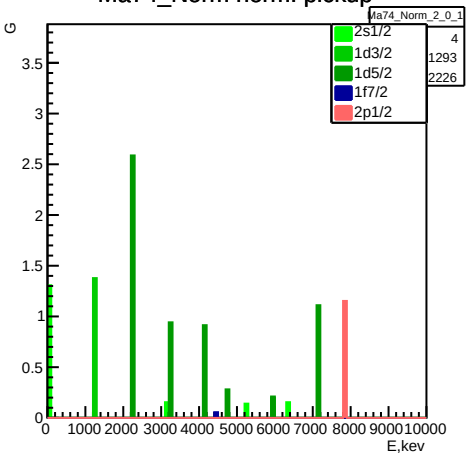
-8123.27 2s1/2 0.78927 1.07336

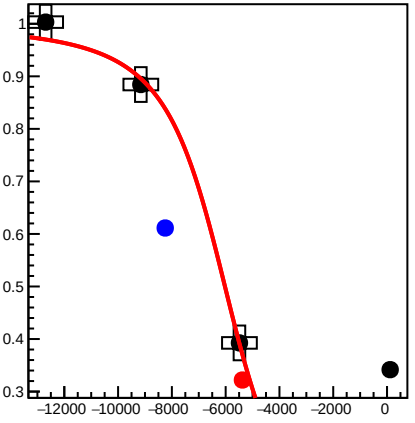
-5473.8 1d3/2 0.381373 0.977304

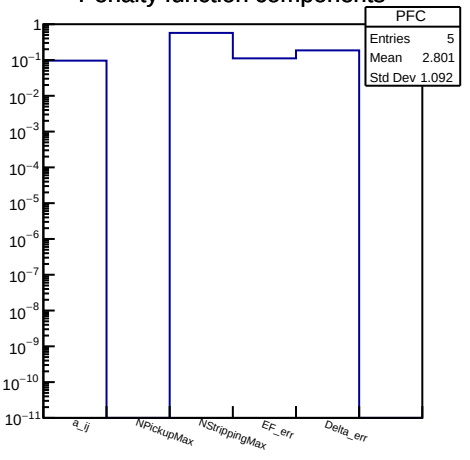
-12680.2 1d5/2 0.972419 0.949337

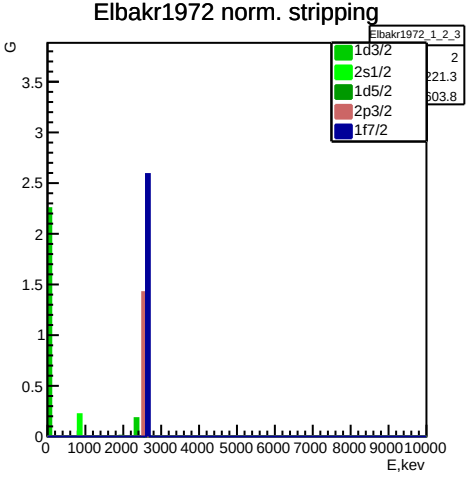
254.803 1f7/2 0.21091 0.591395

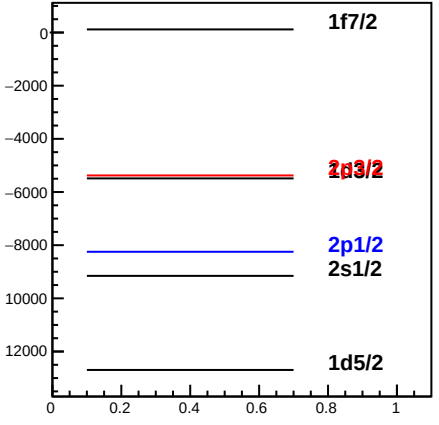
-4864.59 2p1/2 0.463523 1.1566











Experiment: Ma74_Norm (14) Elbakr1972 (6)

proton transfer_norm

n^+ = 0.647307 ± 0 n^- = 1.05456 ± 0

penalty: 0.222091

E_F: -6025.98 ± 188.062 keV

Δ: 2417.4 ± 465.507 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

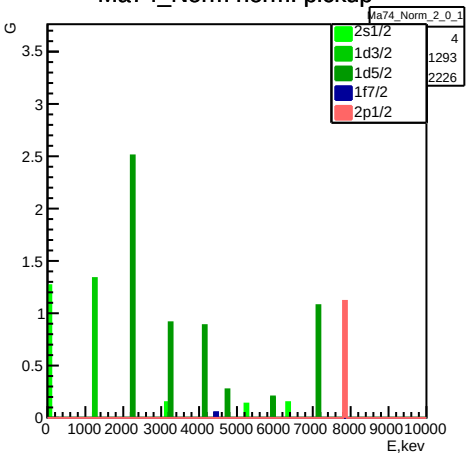
-9154.52 2s1/2 0.884379 0.988843

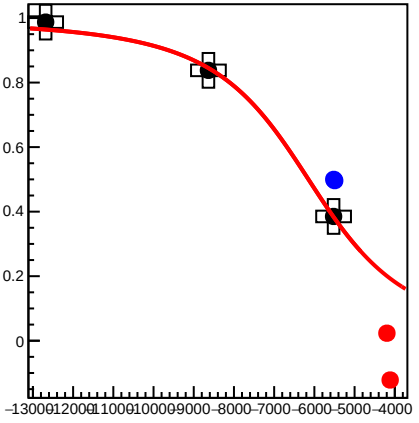
-5487.6 1d3/2 0.392617 1.00217

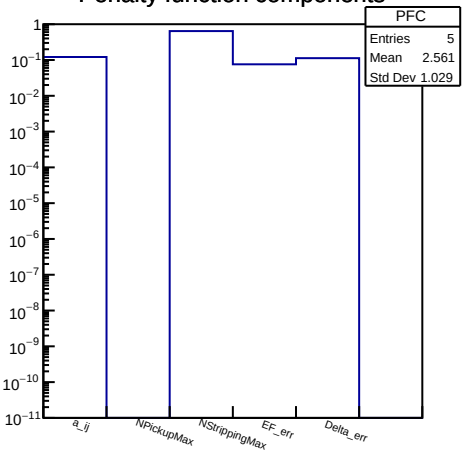
-12693.6 1d5/2 1.0032 1.00899

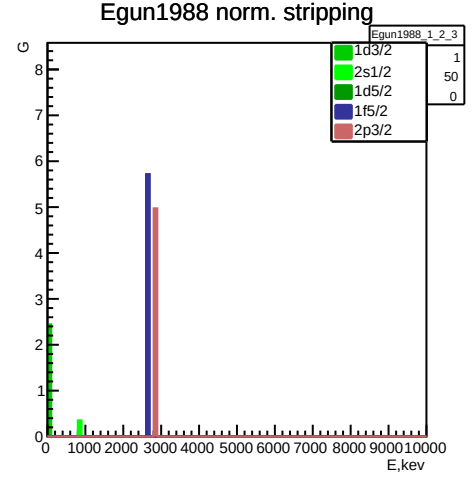
116.584 1f7/2 0.341688 0.330684

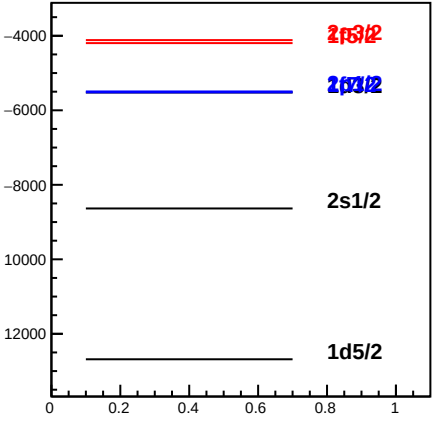
-8247.8 2p1/2 0.611316 0.930354











Experiment: Ma74_Norm (14) Egun1988 (5)

proton transfer_norm

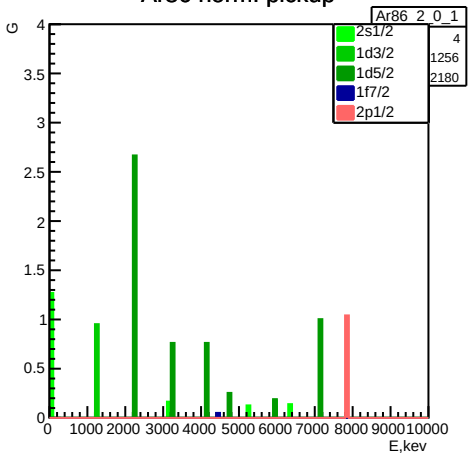
n^+ = 1.03625 ± 0 n^- = 1.02227 ± 0

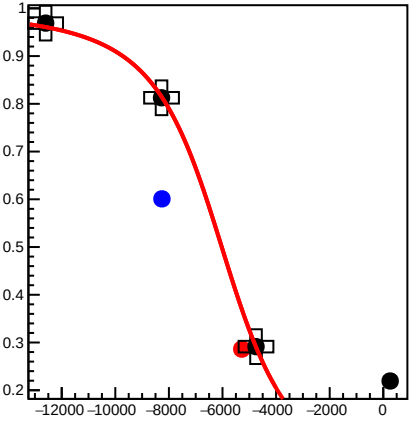
penalty: 0.223805

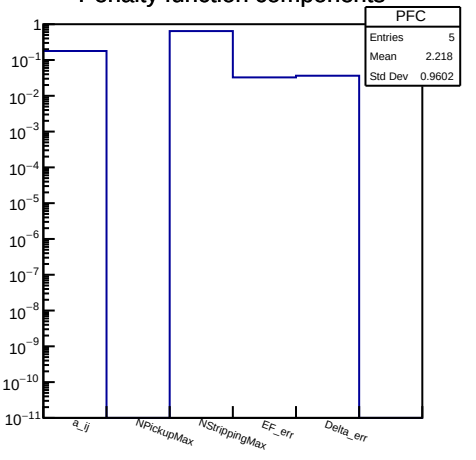
E_F: -6147.35 ± 128.25 keV

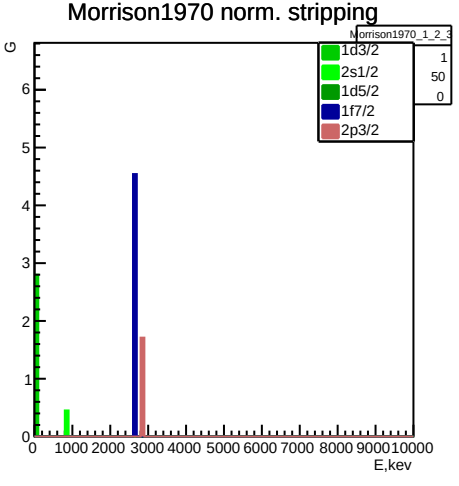
Δ: 2609.59 ± 282.218 keV

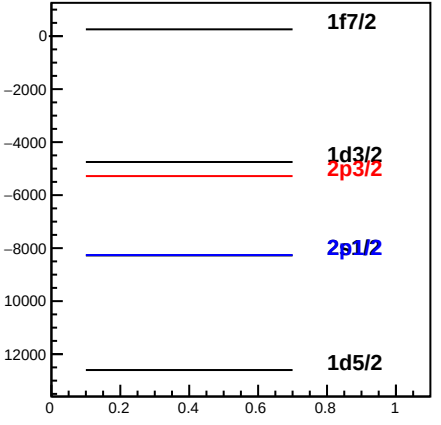
SPE,keV	nlj	OCC	$\frac{G^+ + G^-}{2J+1}$
-8634.89	2s1/2	0.837865	1.02806
-5521.97	1d3/2	0.38513	0.993036
-12683.3	1d5/2	0.987382	0.978909
-5517.88	1f7/2	0.499953	0.0137235
-5494.35	2p1/2	0.496179	1.12533











Experiment: Ar86 (14) Morrison1970 (5)

proton transfer_norm

n^+ = 0.777624 ± 0 n^- = 1.26988 ± 0

penalty: 0.226621

E_F: -6027.65 ± 55.275 keV

Δ: -2770.66 ± 91.1842 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

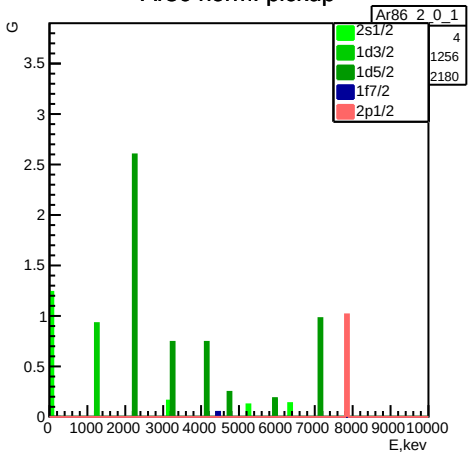
-8275.17 2s1/2 0.812653 1.07633

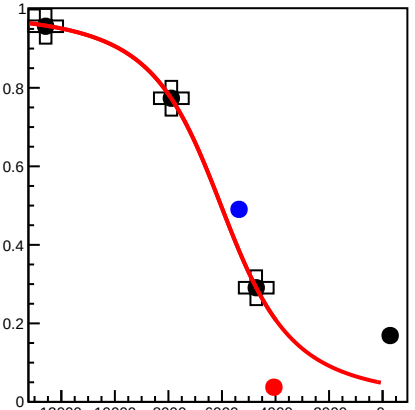
-4749.35 1d3/2 0.291343 0.982409

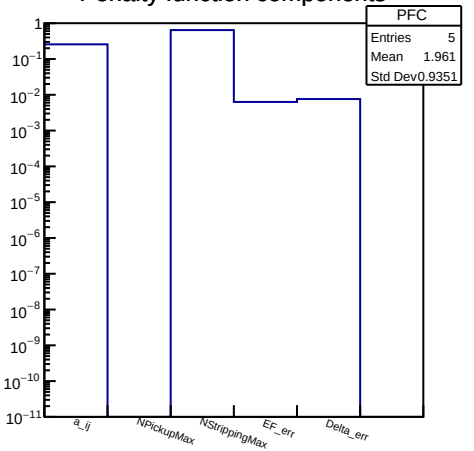
-12599.6 1d5/2 0.969076 0.941263

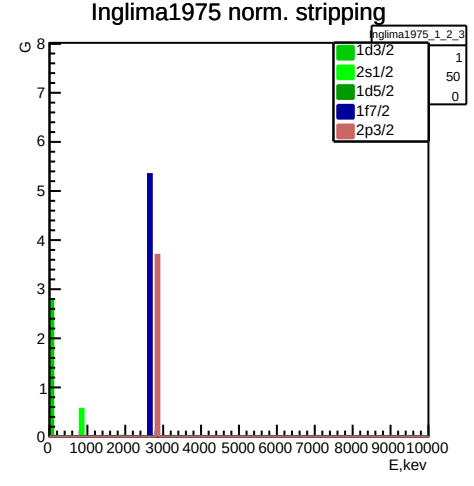
256.332 1f7/2 0.219342 0.574015

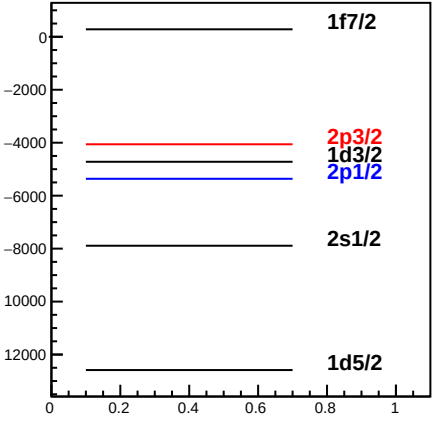
-8260.31 2p1/2 0.600911 0.839475











Experiment: Ar86 (14) Inglima1975 (5)

proton transfer_norm

n^+ = 1.28482 ± 0 n^- = 1.23796 ± 0

penalty: 0.232115

E_F: -6033.93 ± 10.6797 keV

Δ: -2852.76 ± 19.0646 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

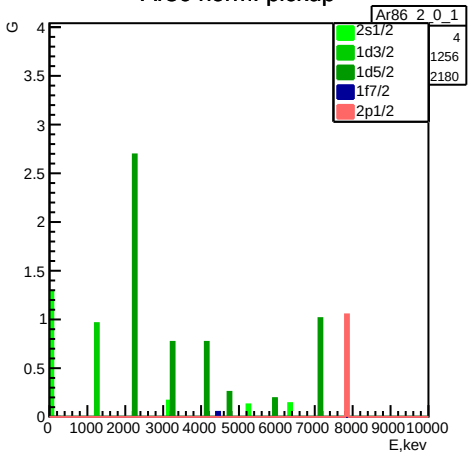
-7890.61 2s1/2 0.773386 1.11209

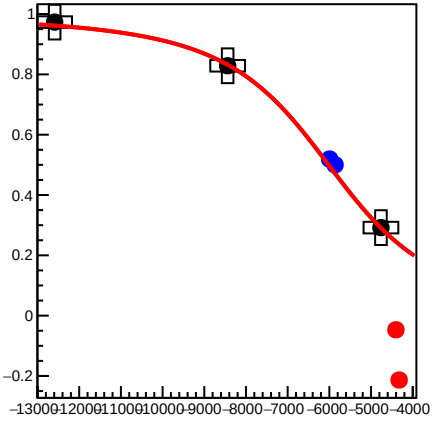
-4719.94 1d3/2 0.290822 0.969248

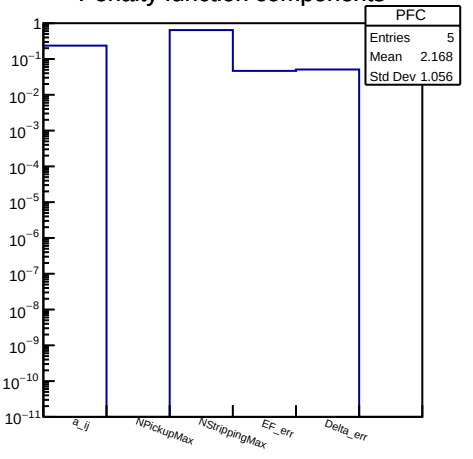
-12585.5 1d5/2 0.95676 0.918659

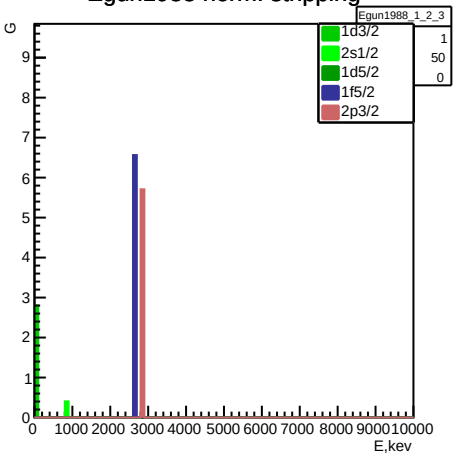
282.115 1f7/2 0.169042 0.674296

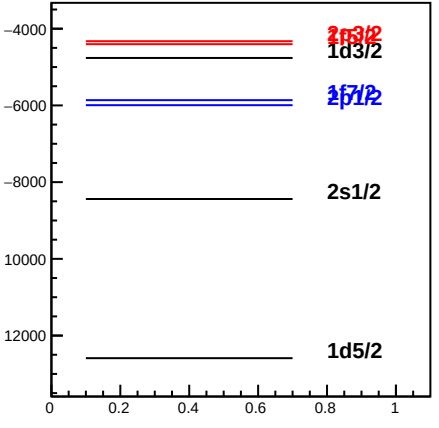
-5362.51 2p1/2 0.490394 1.03434











Experiment: Ar86 (14) Egun1988 (5)

proton transfer_norm

n^+ = 1.18907 ± 0 n^- = 1.28265 ± 0

penalty: 0.243248

E_F: -6018.75 ± 78.7506 keV

Δ: 2727.81 ± 127.662 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

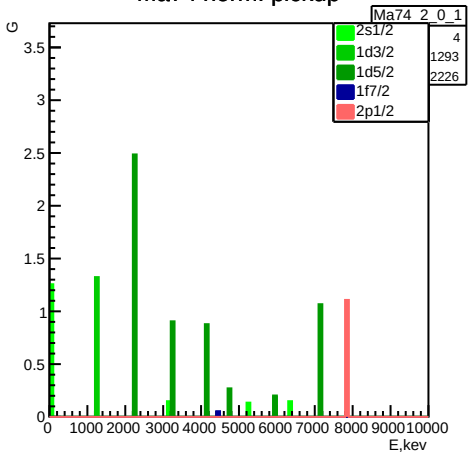
-8439.6 2s1/2 0.828617 1.06152

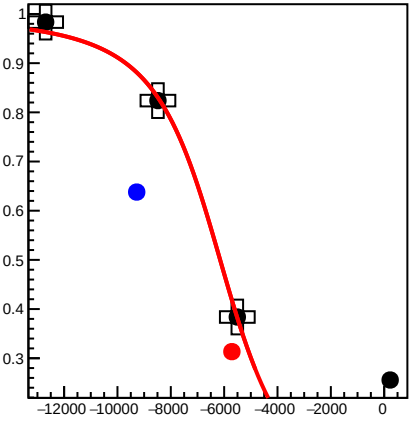
-4762.75 1d3/2 0.291919 0.986942

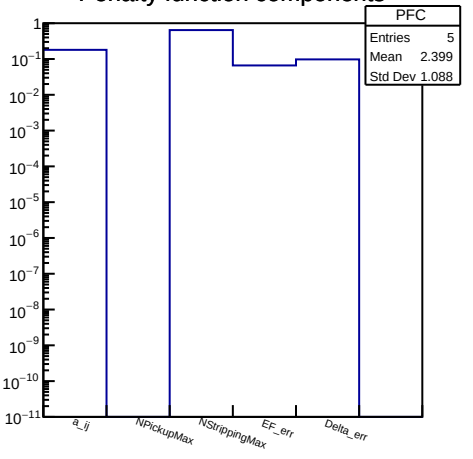
-12589.1 1d5/2 0.973392 0.95154

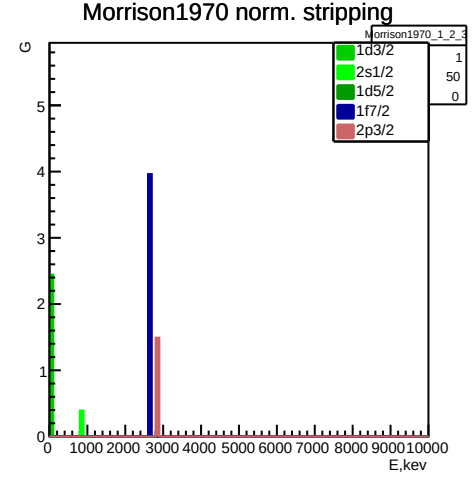
-5862.77 1f7/2 0.500234 0.0123586

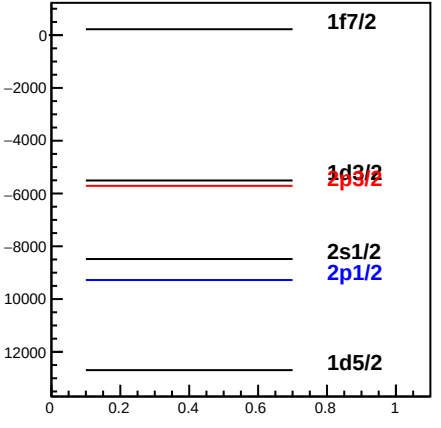
-5993.94 2p1/2 0.519184 1.01341











Experiment: Ma74 (14) Morrison1970 (5)

proton transfer_norm

n^+ = 0.678537 ± 0 n^- = 1.35119 ± 0

penalty: 0.248153

E_F: -6150.59 ± 111.819 keV

Δ: -2655 ± 244.415 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

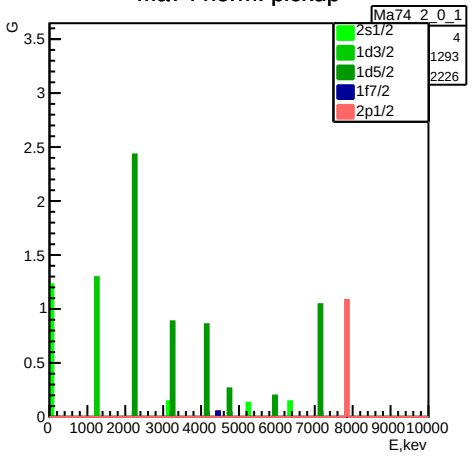
-8482.47 2s1/2 0.82386 1.04127

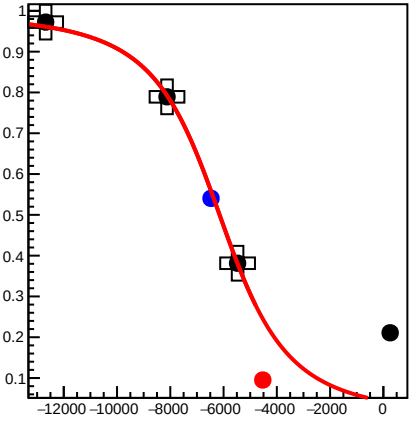
-5506.87 1d3/2 0.383825 0.989017

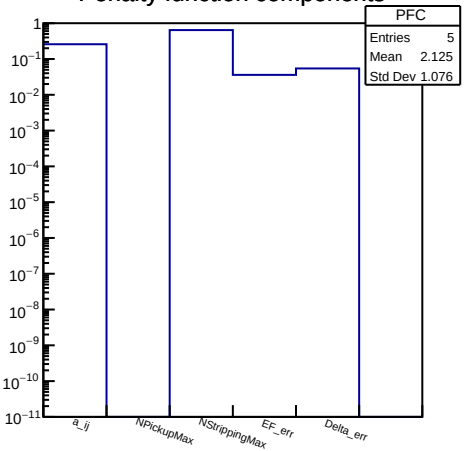
-12692.2 1d5/2 0.983499 0.969712

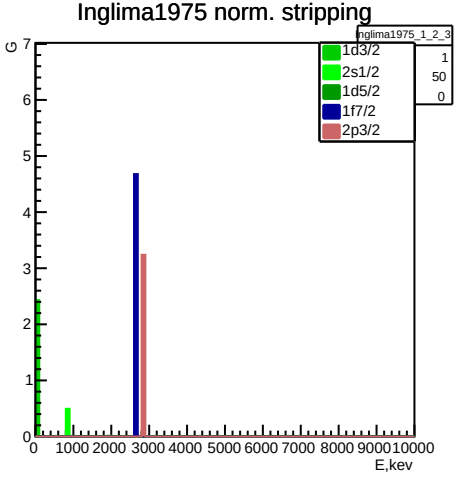
223.523 1f7/2 0.255712 0.502088

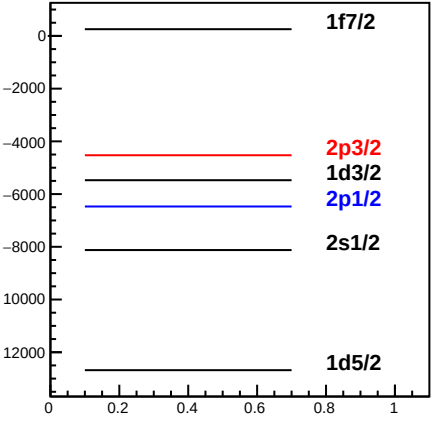
-9278.33 2p1/2 0.637895 0.832189











Experiment: Ma74 (14) Inglima1975 (5)

proton transfer_norm

n^+ = 1.12459 ± 0 n^- = 1.32152 ± 0

penalty: 0.251028

E_F: -6149.15 ± 60.9357 keV

Δ: -2735.92 ± 136.492 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

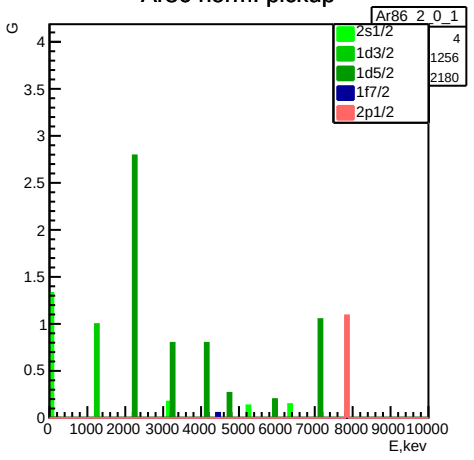
-8123.27 2s1/2 0.78927 1.07336

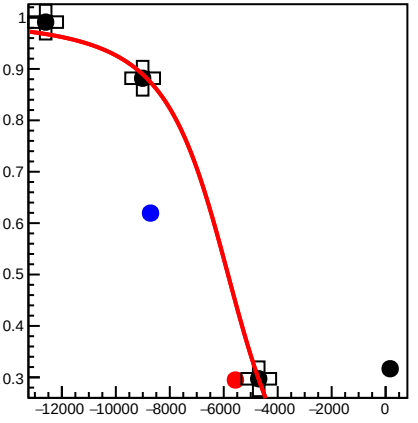
-5473.8 1d3/2 0.381373 0.977304

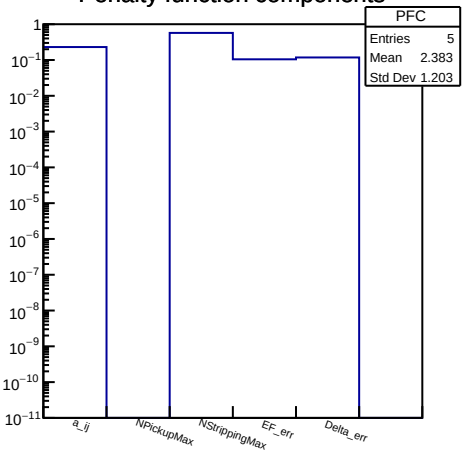
-12680.2 1d5/2 0.972419 0.949337

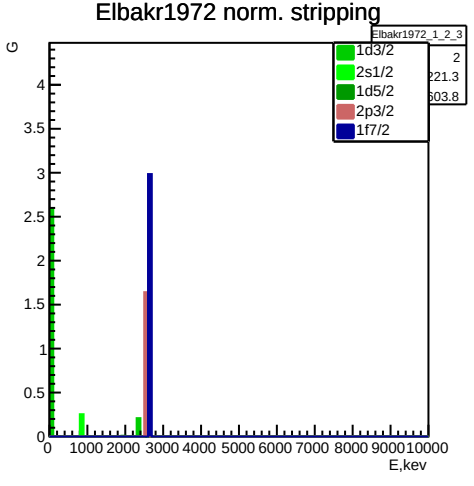
254.803 1f7/2 0.21091 0.591395

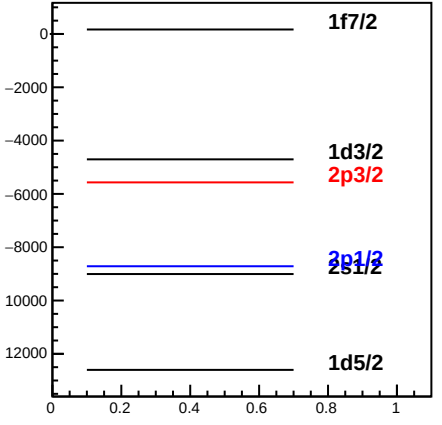
-6471.11 2p1/2 0.54037 1.0029











Experiment: Ar86 (14) Elbakr1972 (6)

proton transfer_norm

n^+ = 0.74623 ± 0 n^- = 1.32937 ± 0

penalty: 0.252798

E_F: -5841.83 ± 176.947 keV

Δ: 2546.23 ± 295.202 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

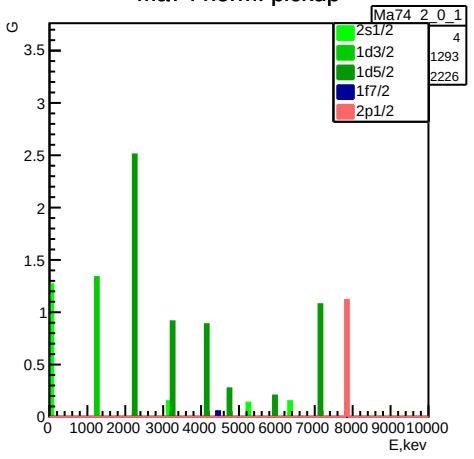
-9005.93 2s1/2 0.881909 1.01754

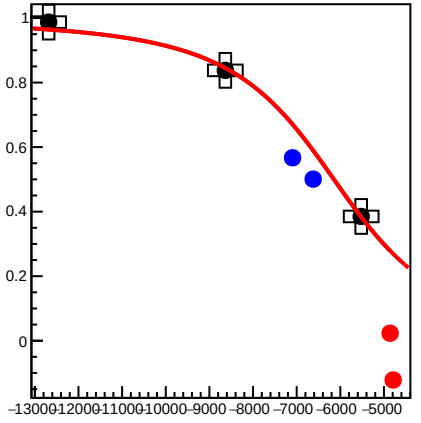
-4703.47 1d3/2 0.297164 0.99724

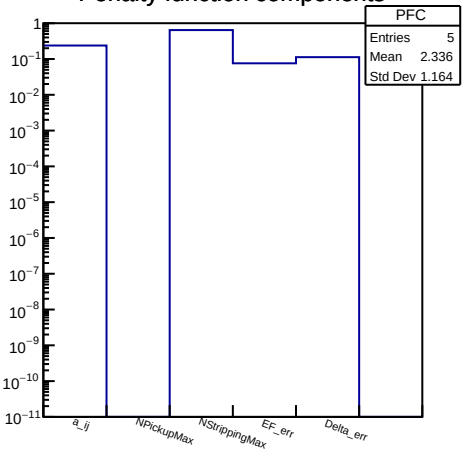
-12601.3 1d5/2 0.99112 0.985224

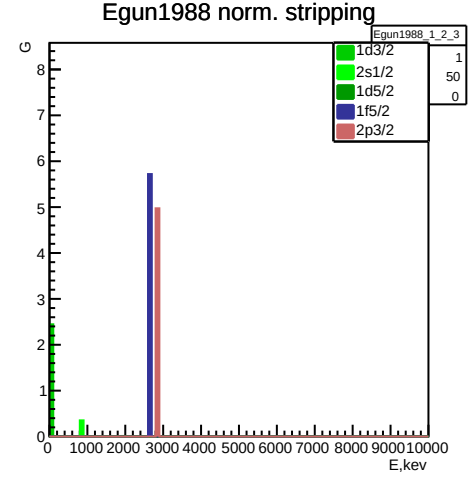
168.071 1f7/2 0.316766 0.379762

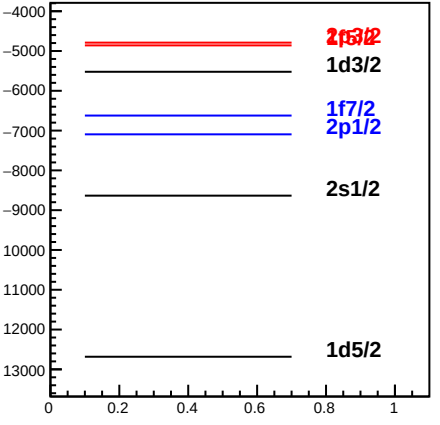
-8713.83 2p1/2 0.619543 0.850995











Experiment: Ma74 (14) Egun1988 (5)

proton transfer_norm

n^+ = 1.03625 ± 0 n^- = 1.36303 ± 0

penalty: 0.264015

E_F: -6147.35 ± 128.25 keV

Δ: 2609.59 ± 282.218 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

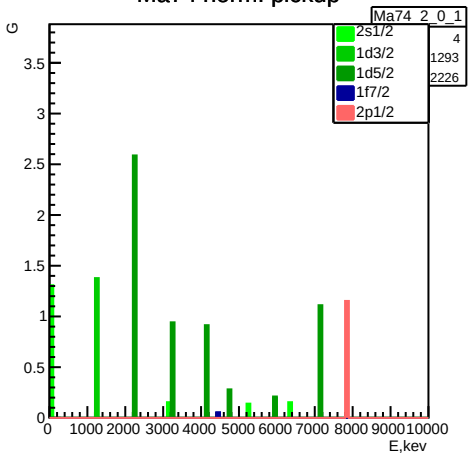
-8634.89 2s1/2 0.837865 1.02806

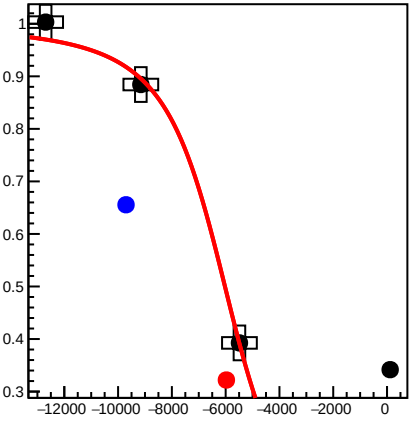
-5521.97 1d3/2 0.38513 0.993036

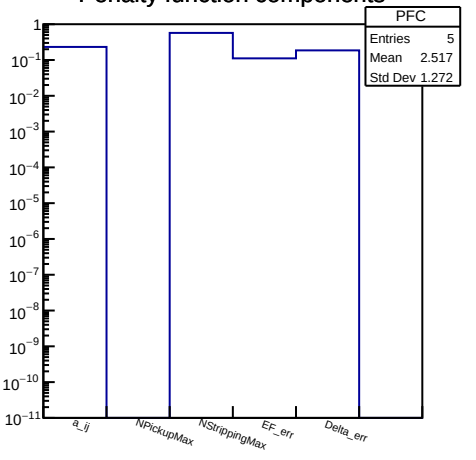
-12683.3 1d5/2 0.987382 0.978909

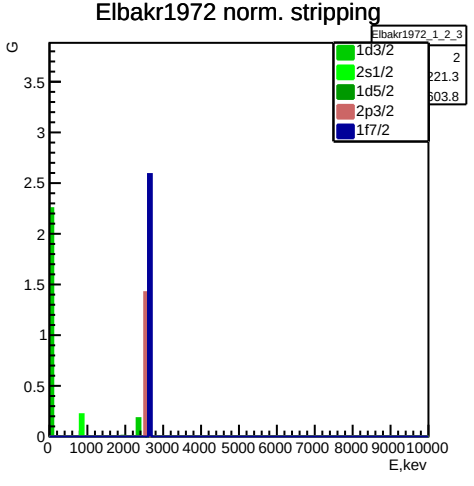
-6622.33 1f7/2 0.500817 0.0119964

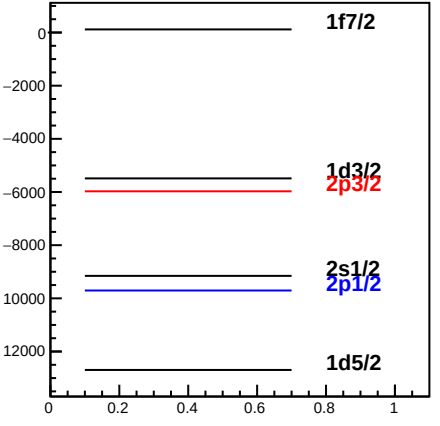
-7094.23 2p1/2 0.566989 0.983704











Experiment: Ma74 (14) Elbakr1972 (6)

proton transfer_norm

n^+ = 0.647307 ± 0 n^- = 1.40608 ± 0

penalty: 0.269174

E_F: -6025.98 ± 188.062 keV

Δ: 2417.4 ± 465.507 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

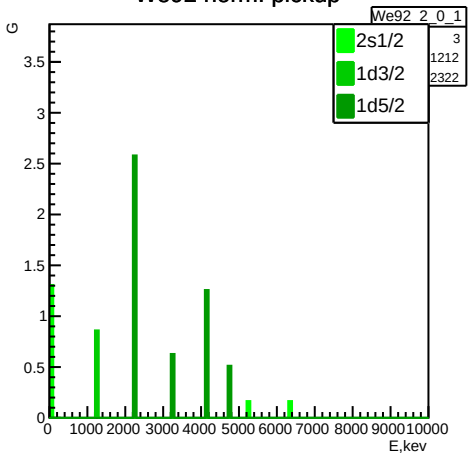
-9154.52 2s1/2 0.884379 0.988843

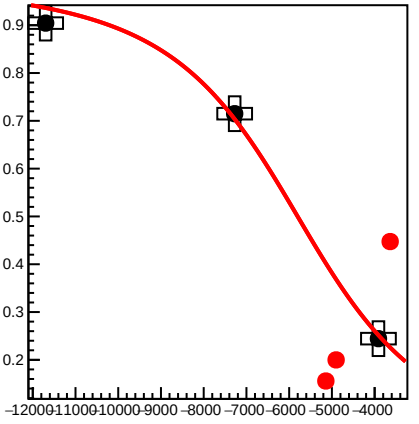
-5487.6 1d3/2 0.392617 1.00217

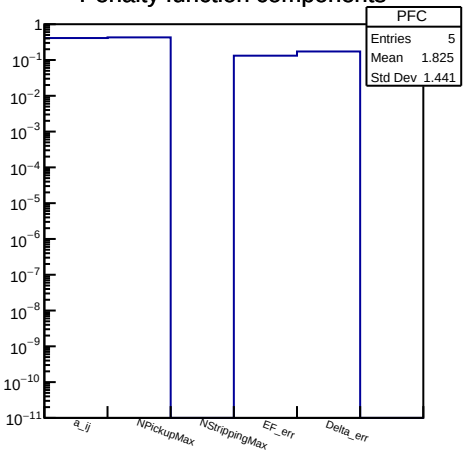
-12693.6 1d5/2 1.0032 1.00899

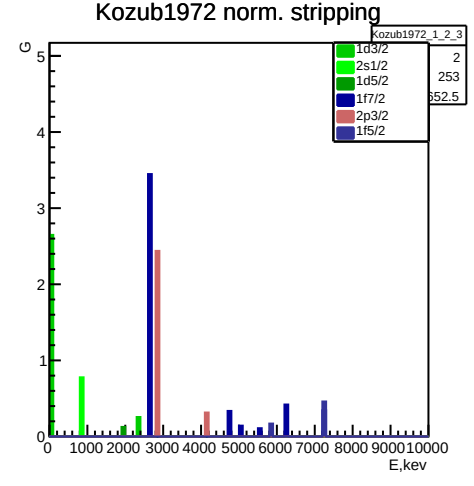
116.584 1f7/2 0.341688 0.330684

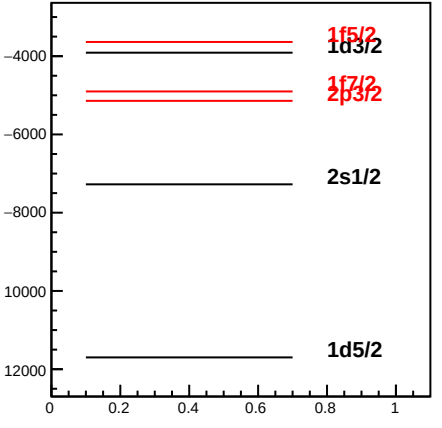
-9704.87 2p1/2 0.655549 0.841889











Experiment: We92 (8) Kozub1972 (14)

proton transfer_norm

n^+ = 1.05115 ± 0 n^- = 1.65418 ± 0

penalty: 0.302898

E_F: -5802.23 ± 223.444 keV

Δ: 3303.83 ± 433.875 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

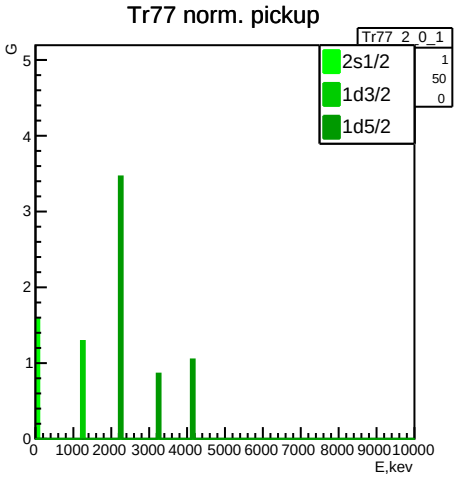
-7275.34 2s1/2 0.714947 1.20774

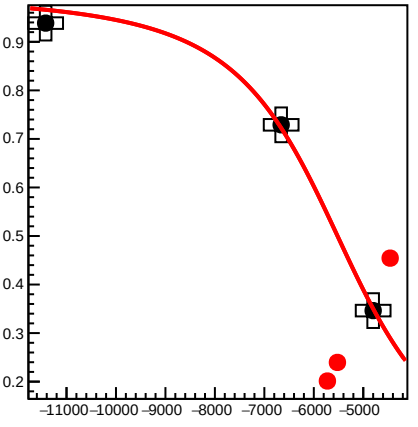
-3910.91 1d3/2 0.24435 0.941386

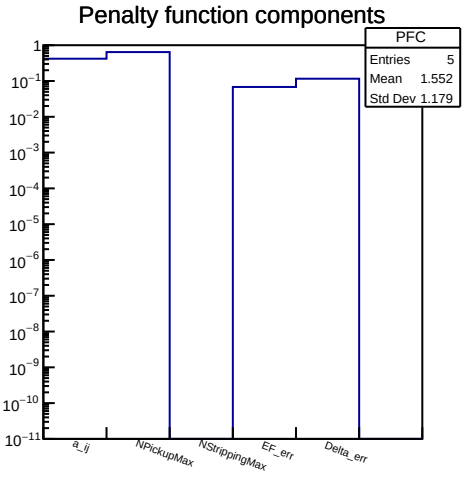
-11698.6 1d5/2 0.904412 0.85087

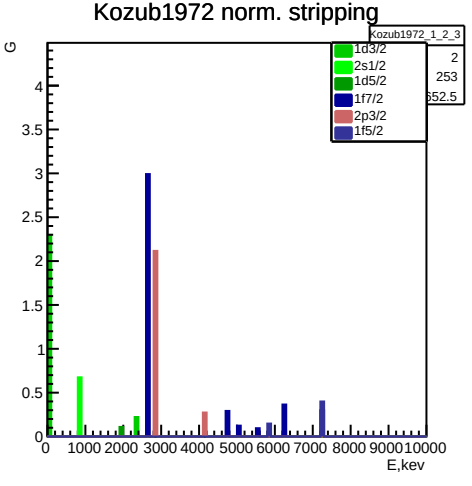
-4901.44 1f7/2 0.199897 0.600205

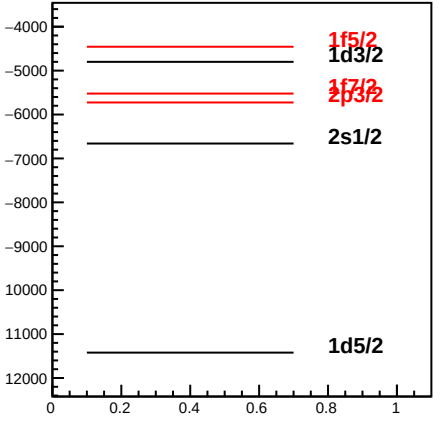
-5141.85 2p3/2 0.155749 0.688501











Experiment: Tr77 (5) Kozub1972 (14)

proton transfer_norm

n^+ = 0.912162 ± 0 n^- = 1.87199 ± 0

penalty: 0.343552

E_F: -5520.4 ± 115.27 keV

Δ: -2292.67 ± 290.421 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

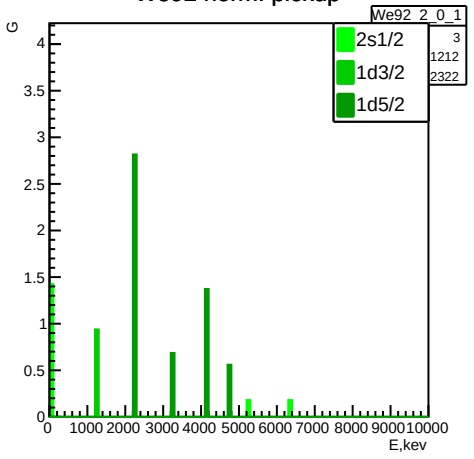
-6660.16 2s1/2 0.729049 1.1331

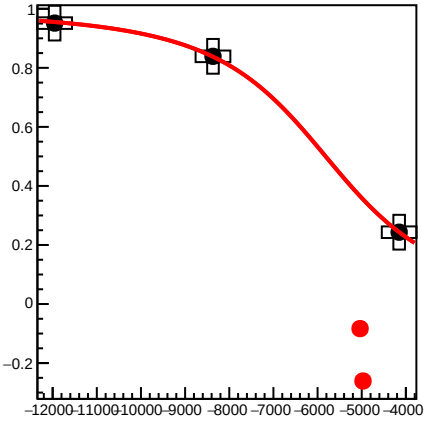
-4800.13 1d3/2 0.346307 0.953223

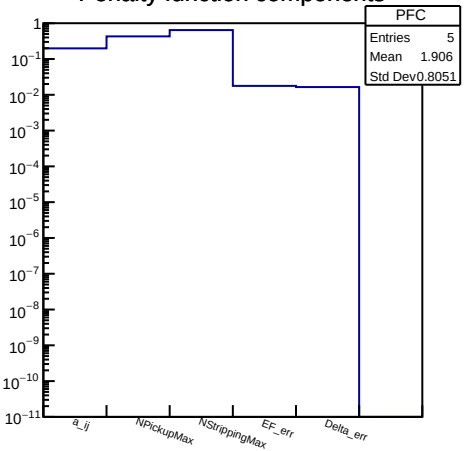
-11422 1d5/2 0.938597 0.91368

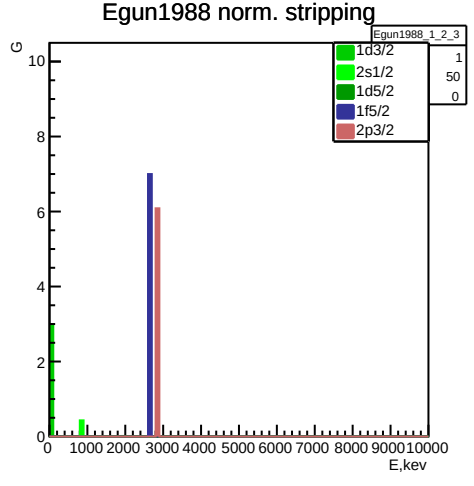
-5522.6 1f7/2 0.239578 0.520844

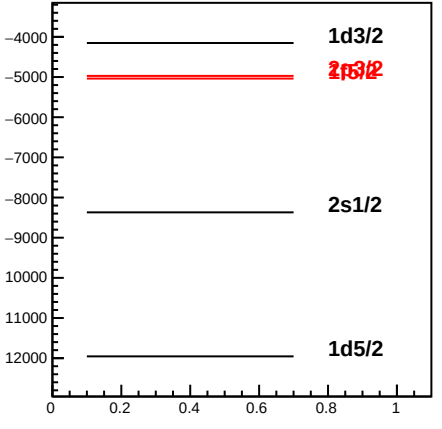
-5725.32 2p3/2 0.201267 0.597466











Experiment: We92 (8) Egun1988 (5)

proton transfer_norm

n^+ = 1.26794 ± 0 n^- = 1.80517 ± 0

penalty: 0.344983

E_F: -5817.05 ± 30.015 keV

Δ: 2786.01 ± 41.2336 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

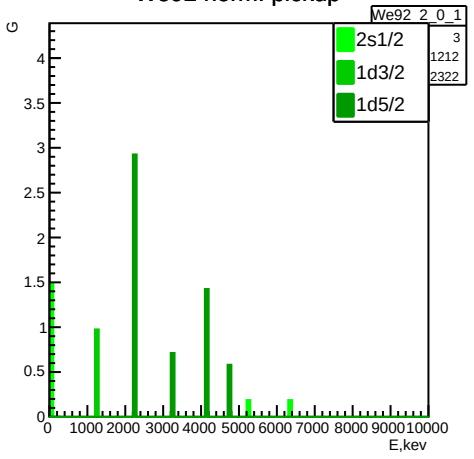
-8369.21 2s1/2 0.839005 1.10911

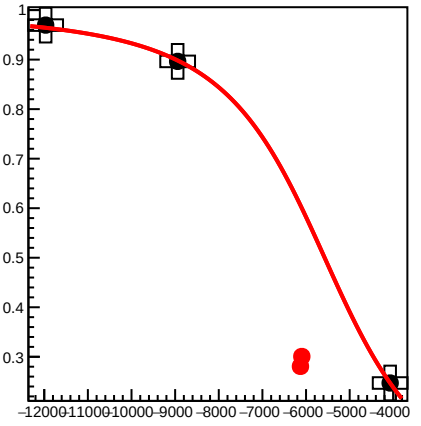
-4152.43 1d3/2 0.243293 0.982759

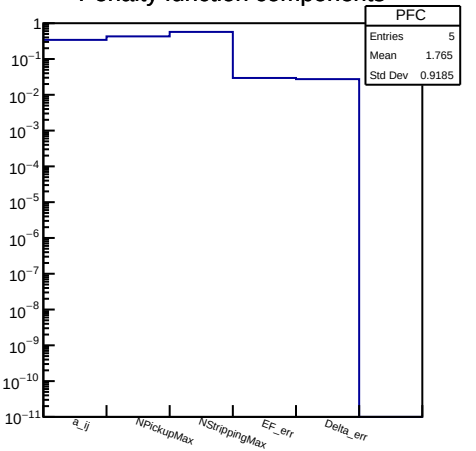
-11954.9 1d5/2 0.951529 0.908131

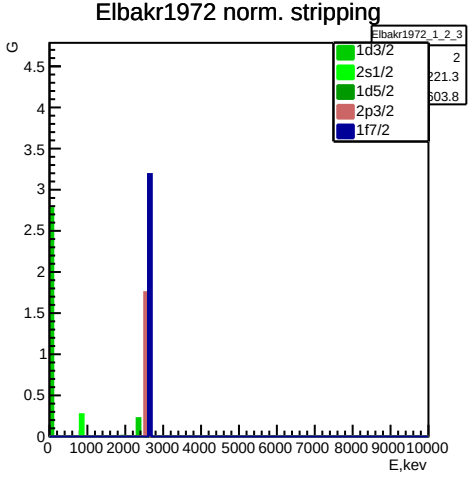
-5038 1f5/2 -0.0832536 1.16651

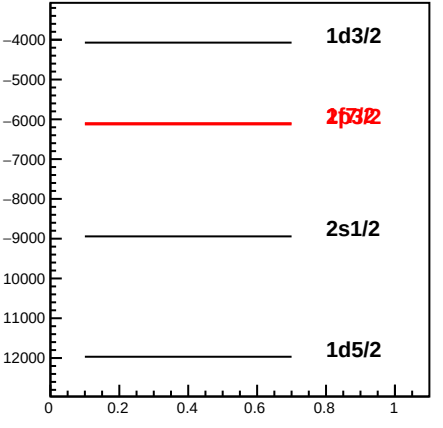
-4971.61 2p3/2 -0.260766 1.52153











Experiment: We92 (8) Elbakr1972 (6)

proton transfer_norm

n^+ = 0.79756 ± 0 n^- = 1.87554 ± 0

penalty: 0.373913

E_F: -5573.76 ± 49.9413 keV

Δ: -2557.86 ± 68.7119 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

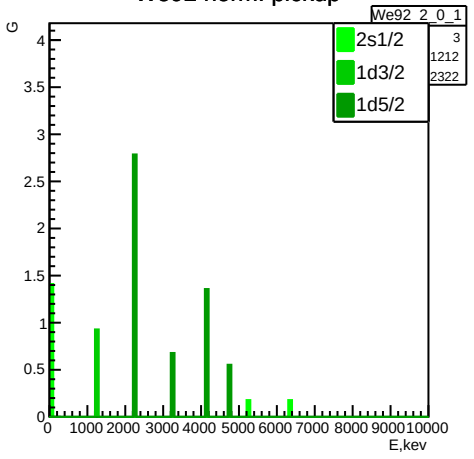
-8942.47 2s1/2 0.896405 1.06398

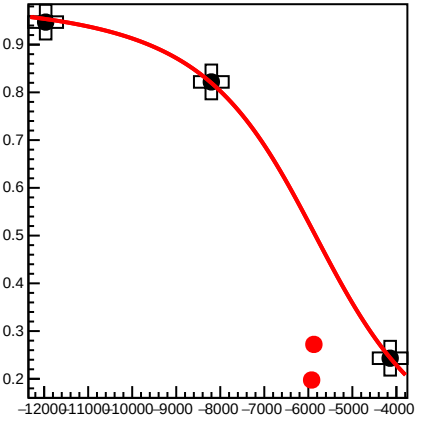
-4072.24 1d3/2 0.247057 0.993527

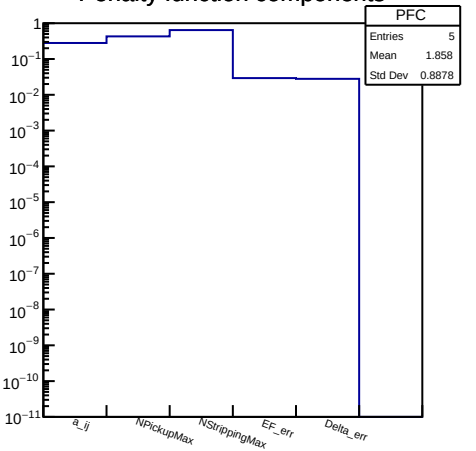
-11967.8 1d5/2 0.969652 0.942493

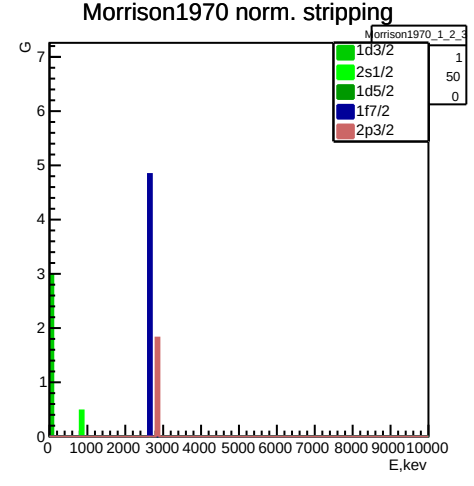
-6128.16 2p3/2 0.280671 0.438658

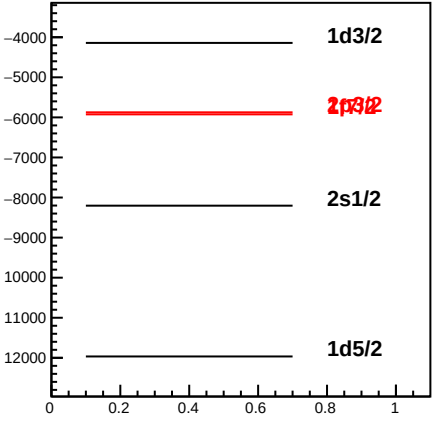
-6097.01 1f7/2 0.30061 0.39878











Experiment: We92 (8) Morrison1970 (5)

proton transfer_norm

n^+ = 0.828718 ± 0 n^- = 1.78595 ± 0

penalty: 0.390288

E_F: -5837.42 ± 49.5382 keV

Δ: 2842.9 ± 69.9734 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

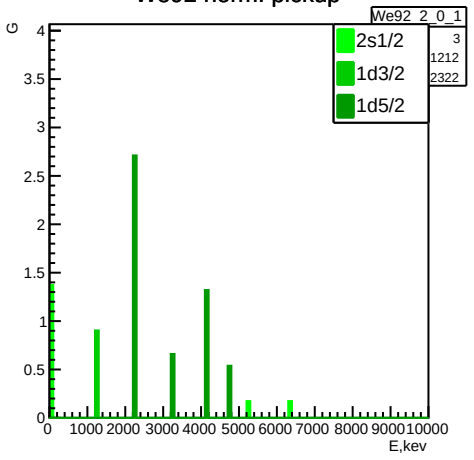
-8203.01 2s1/2 0.821858 1.12437

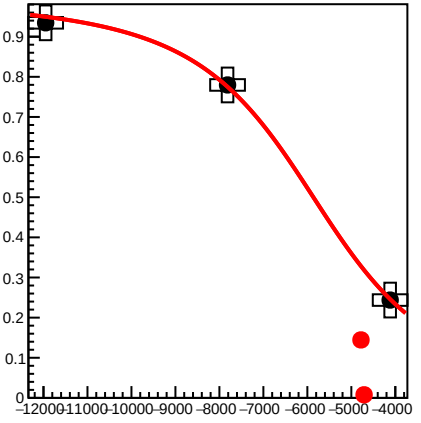
-4141.45 1d3/2 0.243164 0.978019

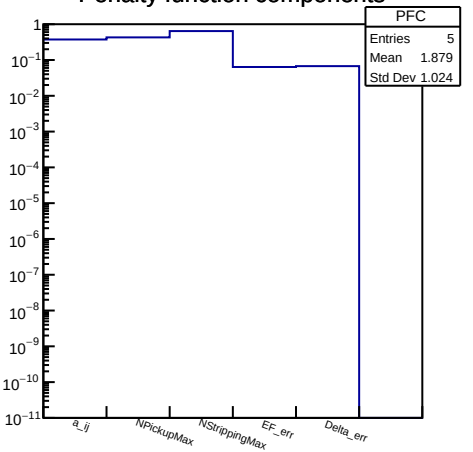
-11966 1d5/2 0.947147 0.897608

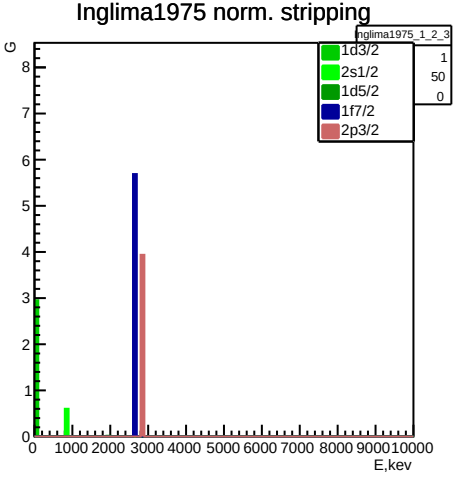
-5924.71 1f7/2 0.197518 0.604964

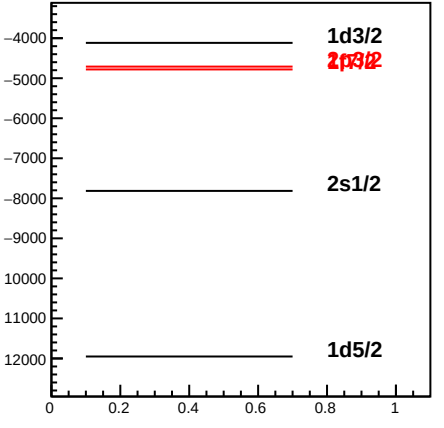
-5873.71 2p3/2 0.272103 0.455795











Experiment: We92 (8) Inglima1975 (5)

proton transfer_norm

n^+ = 1.36734 ± 0 n^- = 1.73795 ± 0

penalty: 0.408268

E_F: -5863.35 ± 107.914 keV

Δ: -2960.8 ± 169.034 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

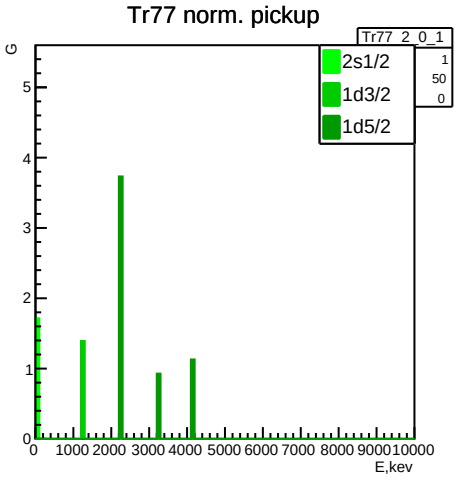
-7814.63 2s1/2 0.779735 1.1611

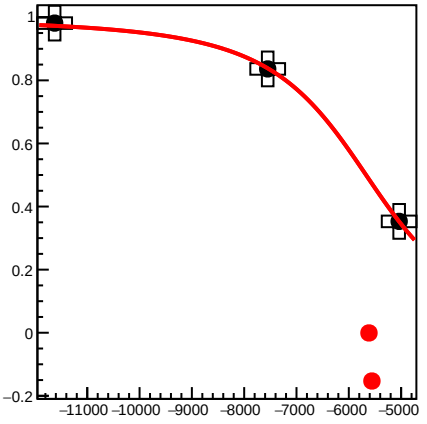
-4117.17 1d3/2 0.243786 0.964295

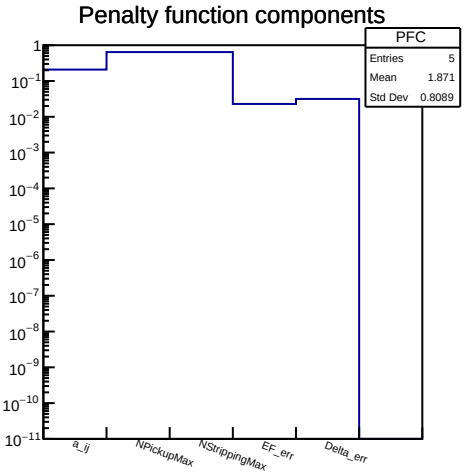
-11951 1d5/2 0.934568 0.874606

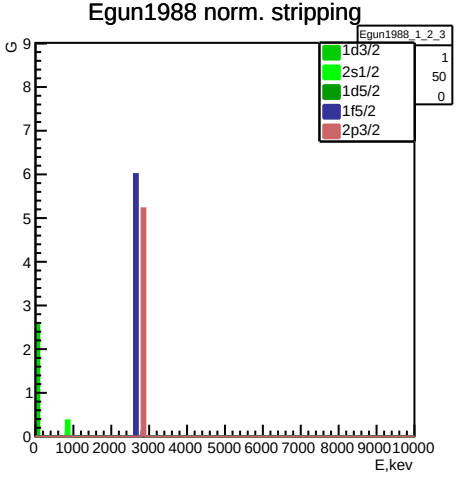
-4780.88 1f7/2 0.144492 0.711015

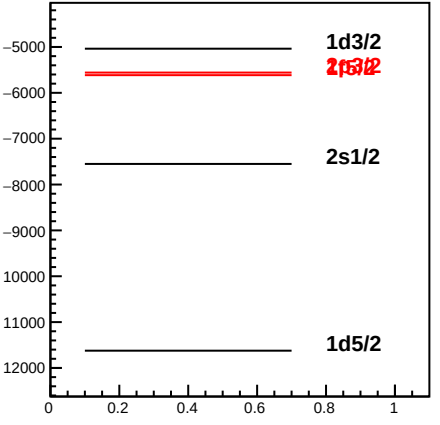
-4710.03 2p3/2 0.00775858 0.984483











Experiment: Tr77 (5) Egun1988 (5)

proton transfer_norm

n^+ = 1.08835 ± 0 n^- = 2.01767 ± 0

penalty: 0.417578

E_F: -5670.03 ± 38.6938 keV

Δ: 2047.51 ± 79.1016 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

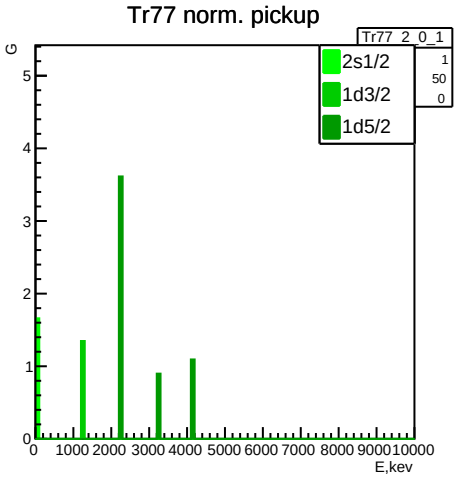
-7550.54 2s1/2 0.836244 1.04253

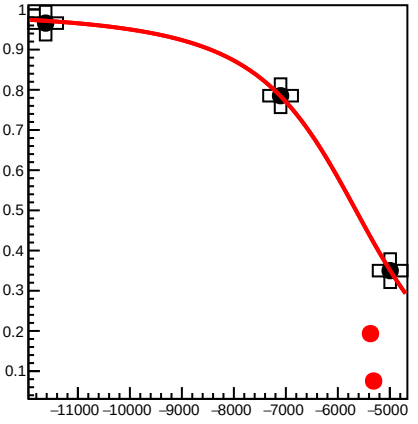
-5037.41 1d3/2 0.352959 0.990177

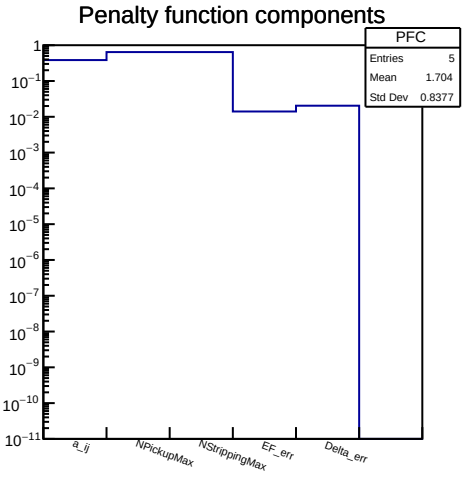
-11623.2 1d5/2 0.98147 0.967294

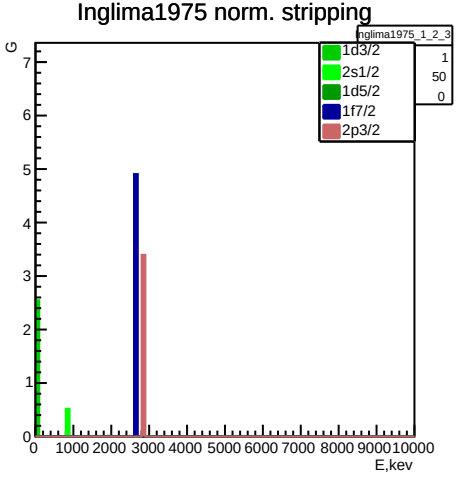
-5614.57 1f5/2 -0.000643031 1.00129

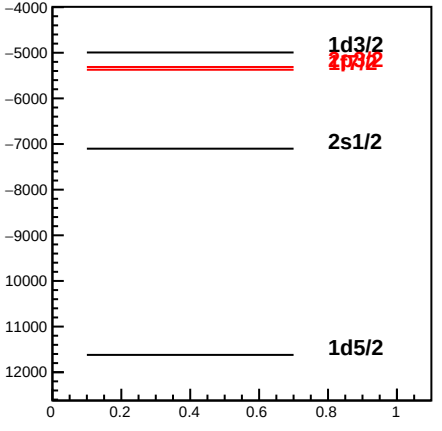
-5558.19 2p3/2 -0.153013 1.30603











Experiment: Tr77 (5) Inglima1975 (5)

proton transfer_norm

n^+ = 1.1794 ± 0 n^- = 1.95318 ± 0

penalty: 0.457903

E_F: -5652.35 ± 23.7925 keV

Δ: -2098.83 ± 51.1711 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

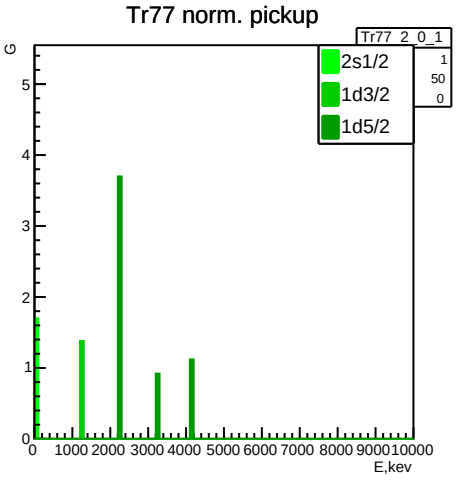
-7101.85 2s1/2 0.785318 1.08957

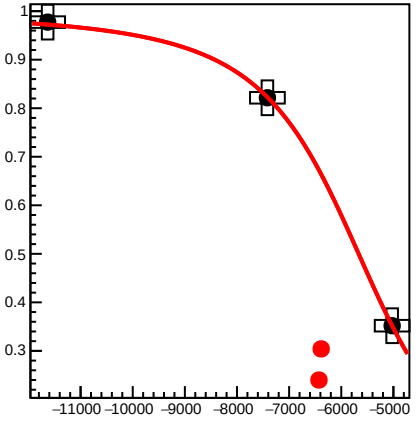
-4994.14 1d3/2 0.350025 0.973798

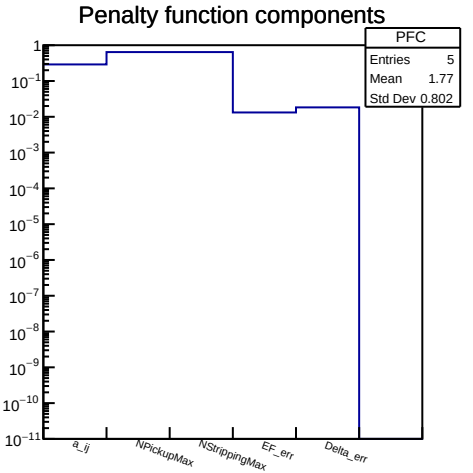
-11620.2 1d5/2 0.965957 0.936632

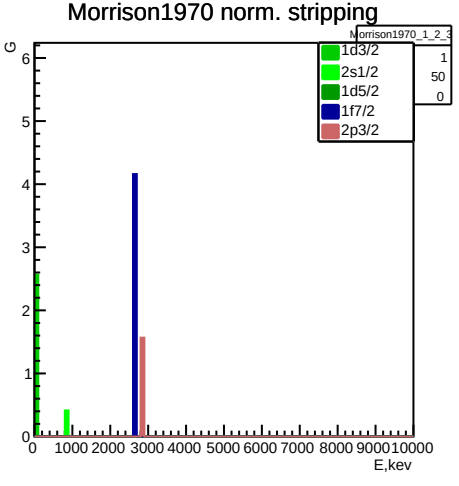
-5372.67 1f7/2 0.193357 0.613286

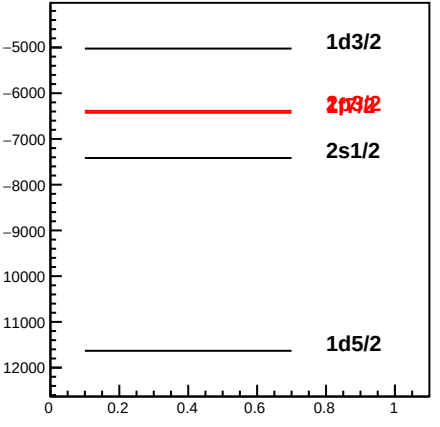
-5312.09 2p3/2 0.0754177 0.849165











Experiment: Tr77 (5) Morrison1970 (5)

proton transfer_norm

n^+ = 0.712349 ± 0 n^- = 1.99927 ± 0

penalty: 0.459908

E_F: -5666.71 ± 22.3579 keV

Δ: 2070.42 ± 45.9304 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

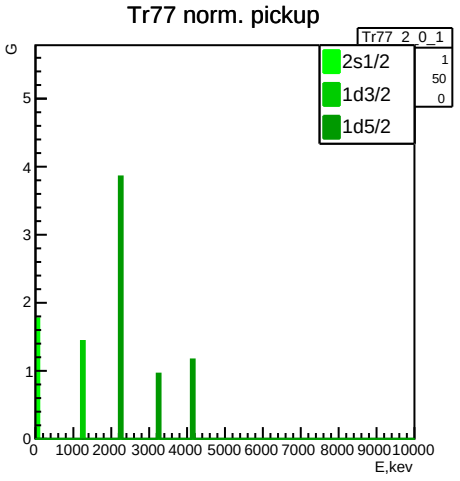
-7416.64 2s1/2 0.821554 1.05627

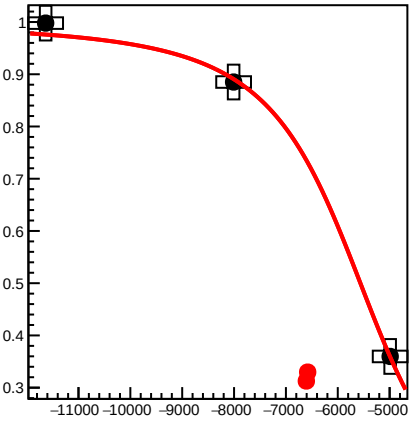
-5023.86 1d3/2 0.35188 0.985988

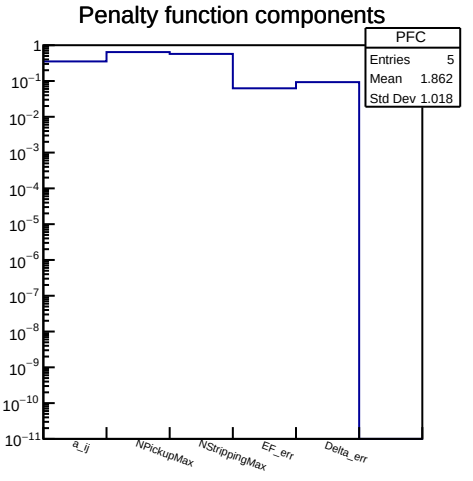
-11631.9 1d5/2 0.977446 0.957741

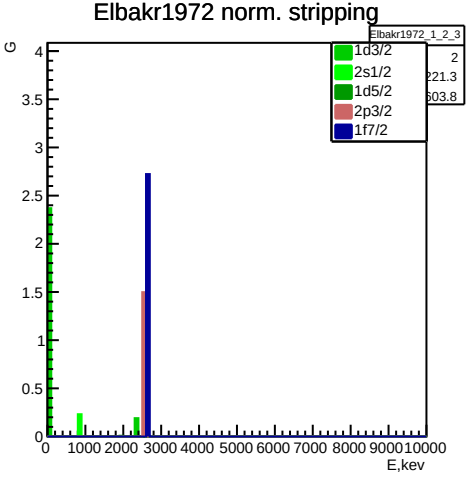
-6427.63 1f7/2 0.239992 0.520015

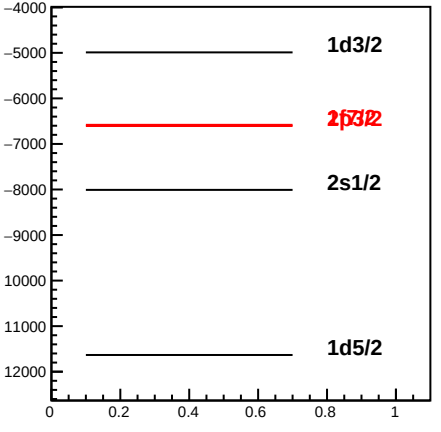
-6385.36 2p3/2 0.304104 0.391792











Experiment: Tr77 (5) Elbakr1972 (6)

proton transfer_norm

n^+ = 0.680931 ± 0 n^- = 2.08471 ± 0

penalty: 0.468299

E_F: -5563.72 ± 105.814 keV

Δ: 1951.18 ± 233.14 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

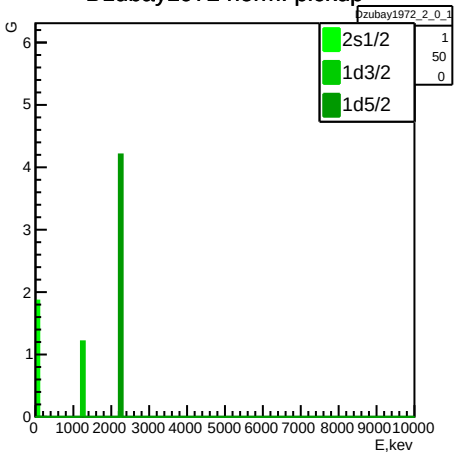
-8008.5 2s1/2 0.885122 1.00176

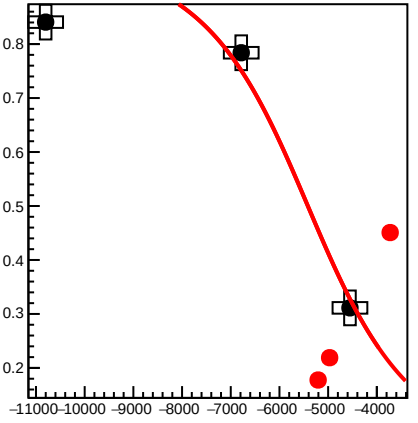
-4989.85 1d3/2 0.359769 0.999689

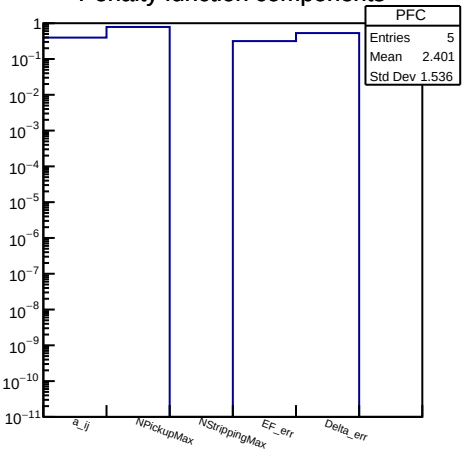
-11633.3 1d5/2 0.997913 0.99855

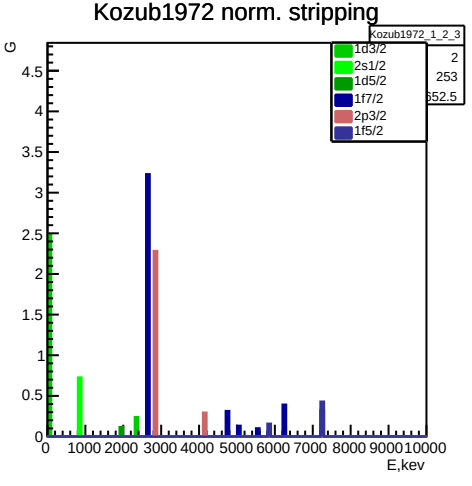
-6606.24 2p3/2 0.312744 0.374512

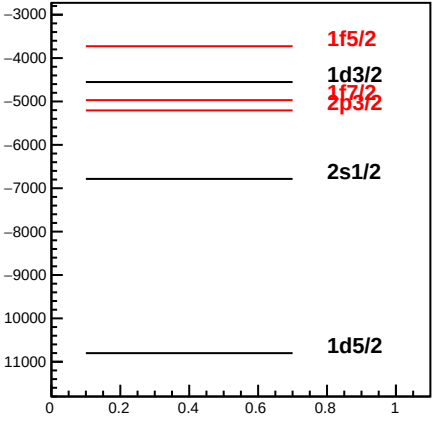
-6580.53 1f7/2 0.329767 0.340466











Experiment: Dzubay1972 (3) Kozub1972 (14)

proton transfer_norm

n^+ = 0.984403 ± 0 n^- = 1.5933 ± 0

penalty: 0.510987

E_F: -5416.89 ± 535.612 keV

Δ: 2355.08 ± 1329.37 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

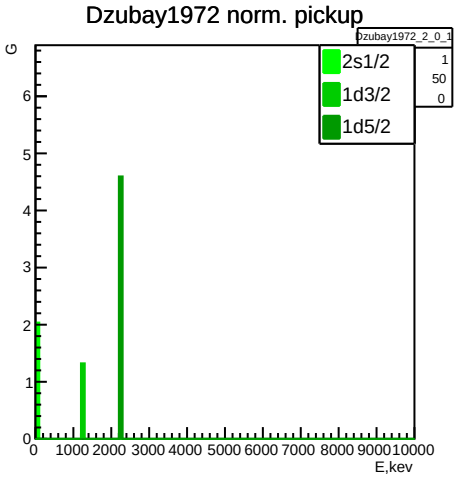
-6785.02 2s1/2 0.783926 1.29631

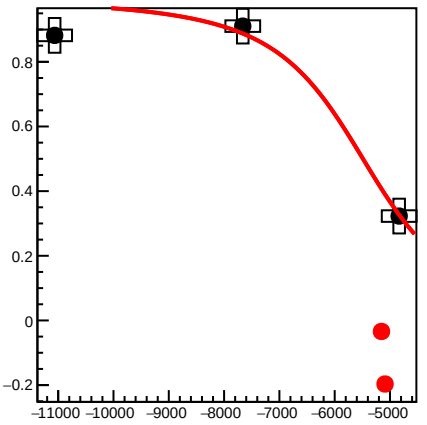
-4552 1d3/2 0.311252 0.98295

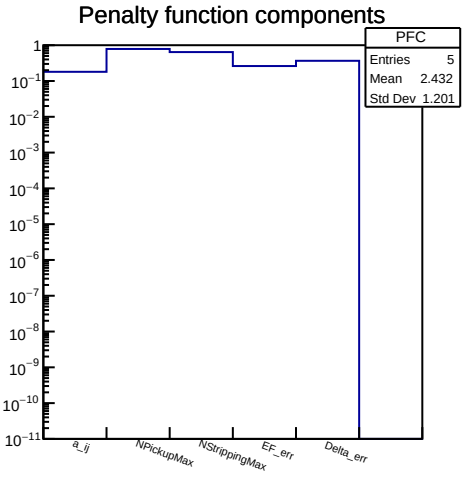
-10801.6 1d5/2 0.840682 0.72074

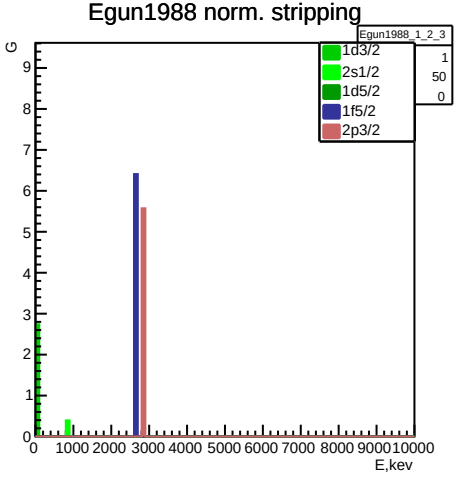
-4969.3 1f7/2 0.218953 0.562094

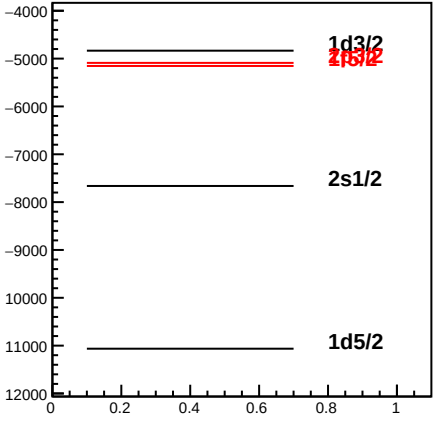
-5205.59 2p3/2 0.177608 0.644784











Experiment: Dzubay1972 (3) Egun1988 (5)

proton transfer_norm

n^+ = 1.1611 ± 0 n^- = 1.74094 ± 0

penalty: 0.56603

E_F: -5488.68 ± 443.067 keV

Δ: 1771.9 ± 919.187 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

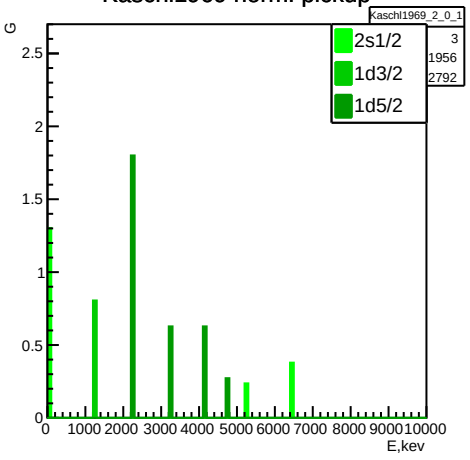
-7662.41 2s1/2 0.910531 1.21584

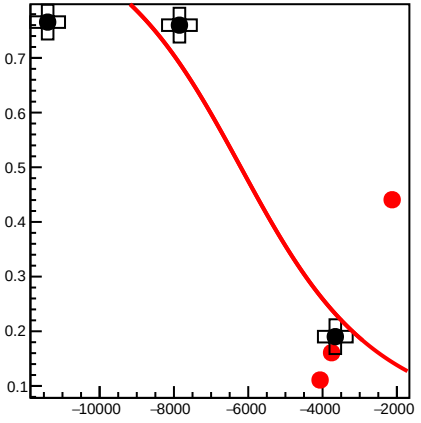
-4834.24 1d3/2 0.322864 1.01583

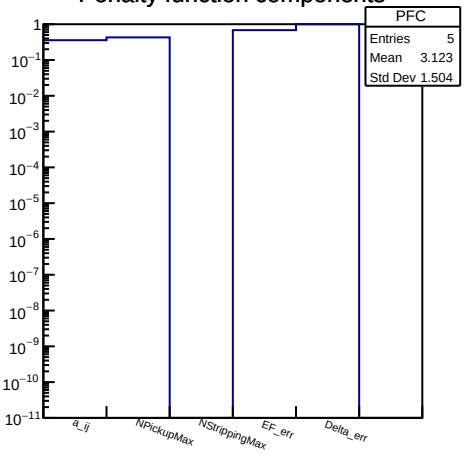
-11064.1 1d5/2 0.881845 0.768335

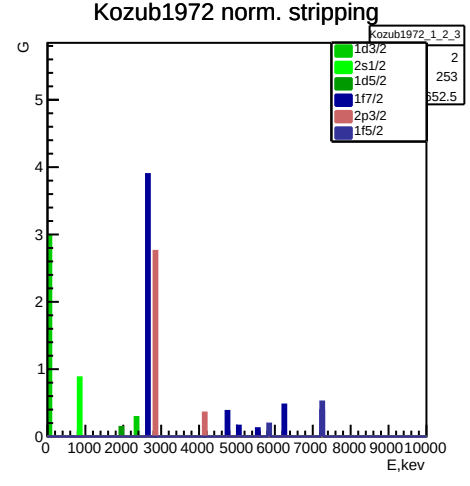
-5153.83 1f5/2 -0.0341067 1.06821

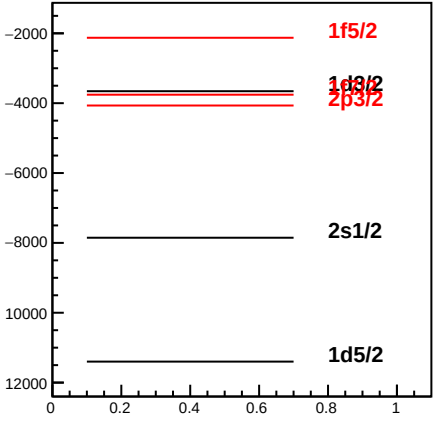
-5089.45 2p3/2 -0.196661 1.39332











Experiment: Kaschl1969 (8) Kozub1972 (14)

proton transfer_norm

n^+ = 1.18819 ± 0 n^- = 1.18451 ± 0

penalty: 0.569459

E_F: -6201.52 ± 1155.01 keV

Δ: 4006.12 ± 2506.86 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

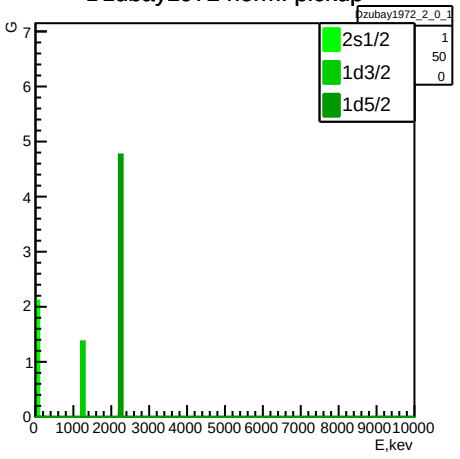
-7852.43 2s1/2 0.75991 1.39908

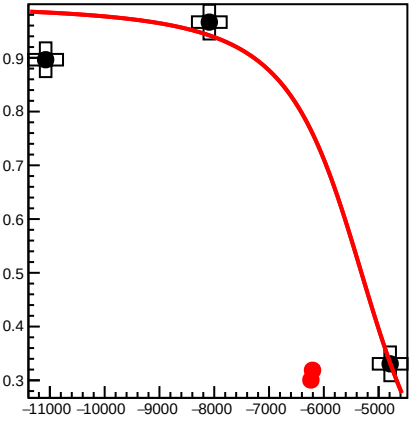
-3657.2 1d3/2 0.190163 1.02241

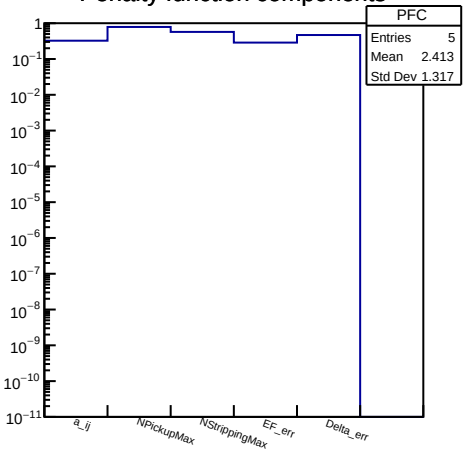
-11399 1d5/2 0.765491 0.578509

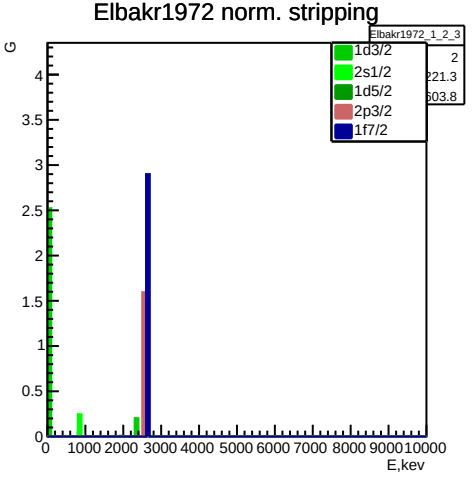
-3757.12 1f7/2 0.160771 0.678458

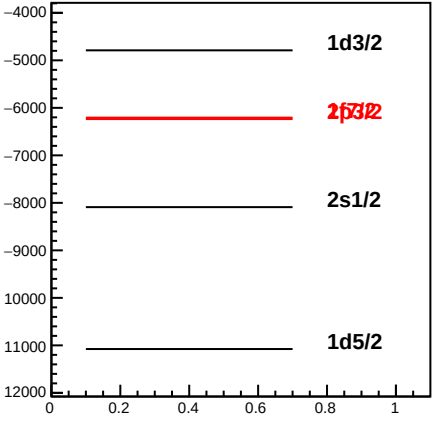
-4066.97 2p3/2 0.110867 0.778266











Experiment: Dzubay1972 (3) Elbakr1972 (6)

proton transfer_norm

n^+ = 0.725199 ± 0 n^- = 1.80541 ± 0

penalty: 0.604867

E_F: -5313.85 ± 486.284 keV

Δ: -1471.27 ± 1172.65 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

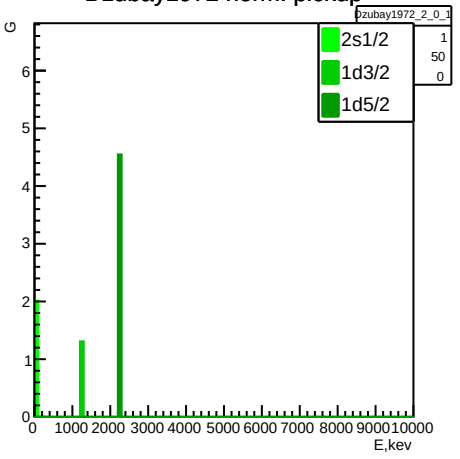
-8090.07 2s1/2 0.966442 1.17945

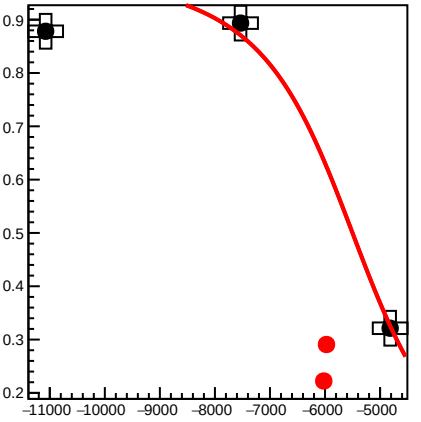
-4789.41 1d3/2 0.330671 1.02472

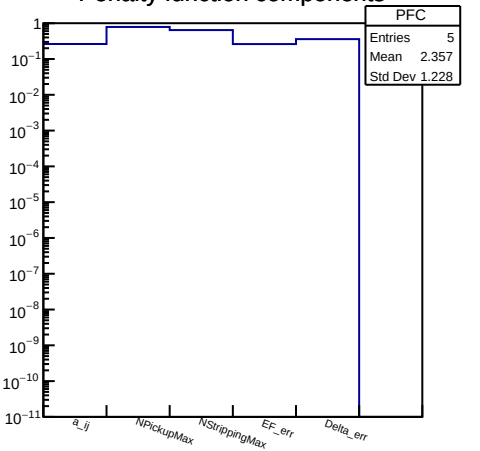
-11077.1 1d5/2 0.896466 0.795833

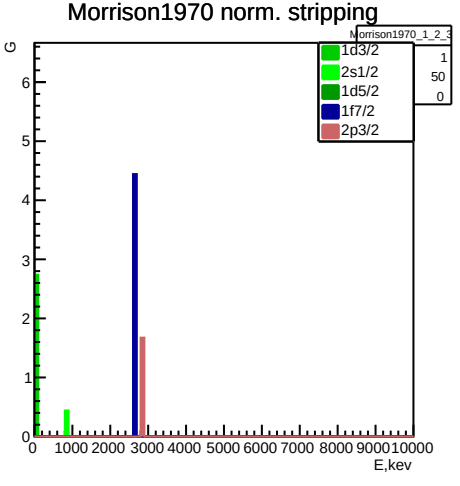
-6236.27 2p3/2 0.30057 0.39886

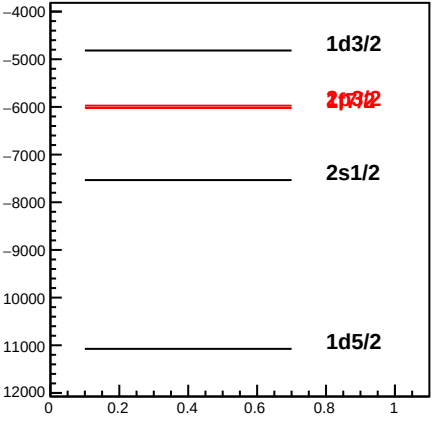
-6206.35 1f7/2 0.3187 0.3626











Experiment: Dzubay1972 (3) Morrison1970 (5

proton transfer_norm

n^+ = 0.760862 ± 0 n^- = 1.72268 ± 0

penalty: 0.60575

E_F: -5500.75 ± 442.296 keV

Δ: 1839.15 ± 900.022 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

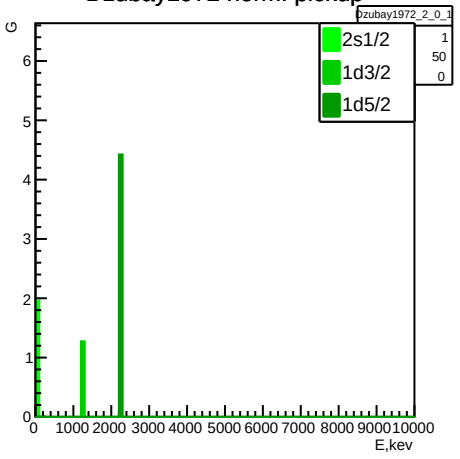
-7534.65 2s1/2 0.893558 1.22842

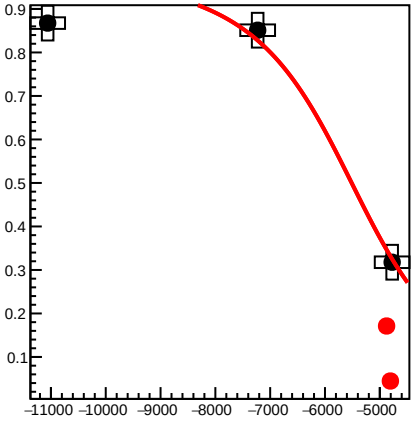
-4816.78 1d3/2 0.321267 1.01208

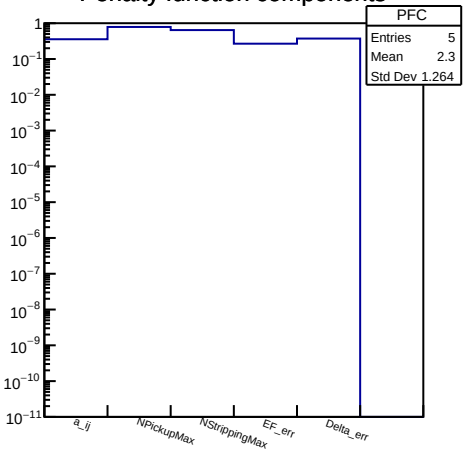
-11075.1 1d5/2 0.878228 0.7595

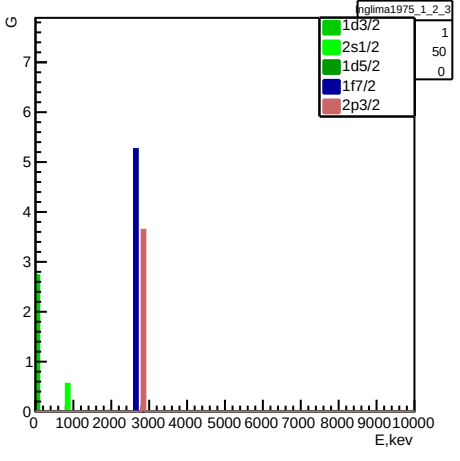
-6022.87 1f7/2 0.222286 0.555429

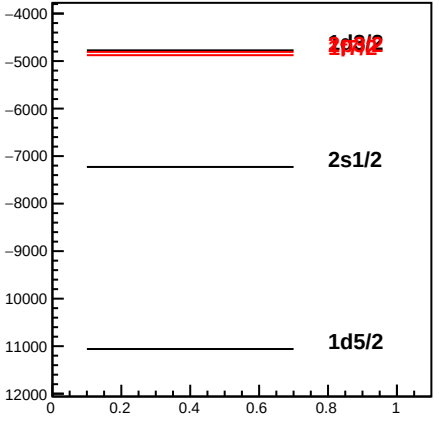
-5973.57 2p3/2 0.290763 0.418474











Experiment: Dzubay1972 (3) Inglima1975 (5)

proton transfer_norm

n^+ = 1.26464 ± 0 n^- = 1.676 ± 0

penalty: 0.616575

E_F: -5513.09 ± 453.291 keV

Δ: -1976.6 ± 934.219 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

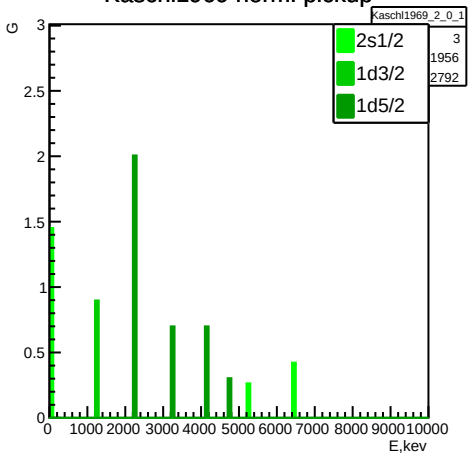
-7228.29 2s1/2 0.85112 1.25868

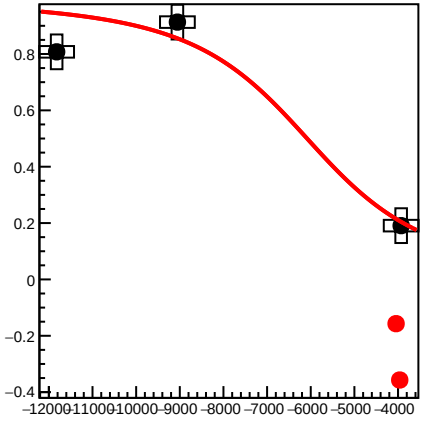
-4774.47 1d3/2 0.317767 1.00135

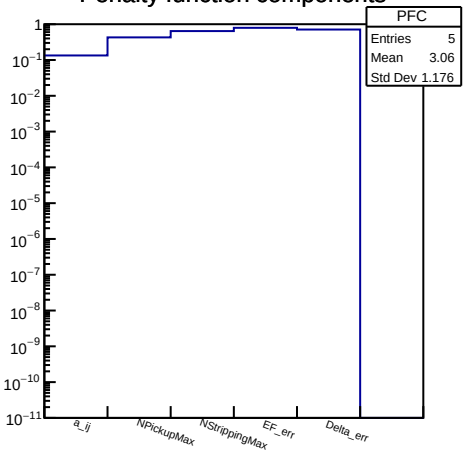
-11059.8 1d5/2 0.867456 0.73997

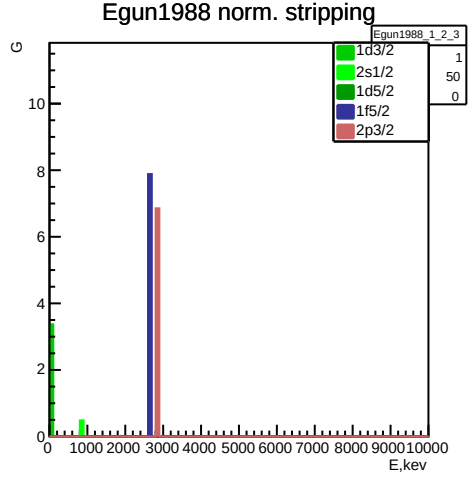
-4876.09 1f7/2 0.171193 0.657614

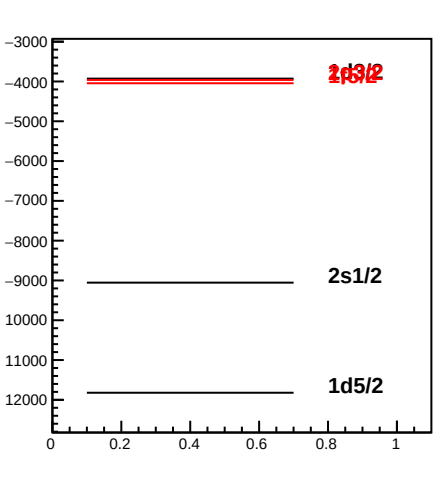
-4806.89 2p3/2 0.0447287 0.910543











Experiment: Kaschl1969 (8) Egun1988 (5)

proton transfer_norm

n^+ = 1.42829 ± 0 n^- = 1.31989 ± 0

penalty: 0.634802

E_F: -6083.92 ± 1341.13 keV

Δ: 2937.9 ± 1780.19 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

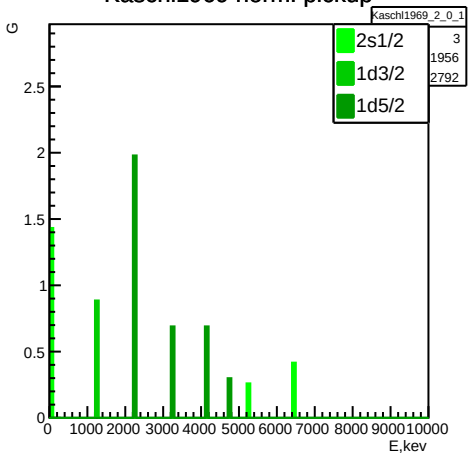
-9054.99 2s1/2 0.913152 1.31192

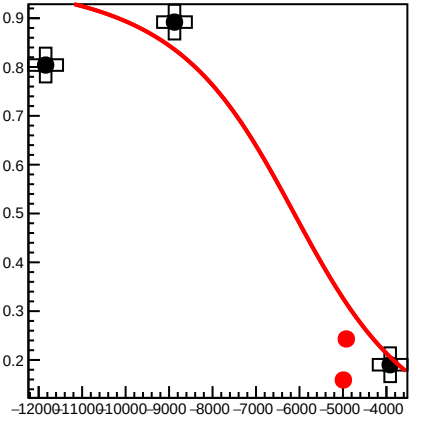
-3928.56 1d3/2 0.190846 1.06707

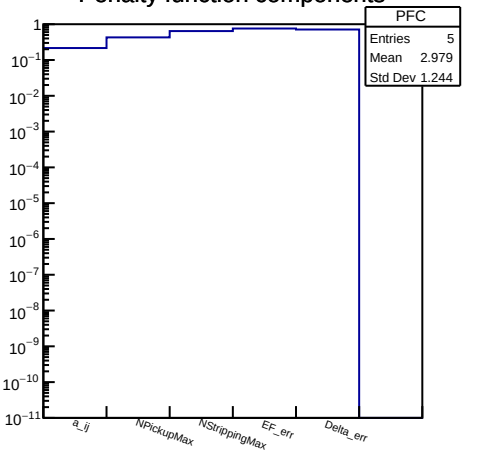
-11821.5 1d5/2 0.807647 0.621006

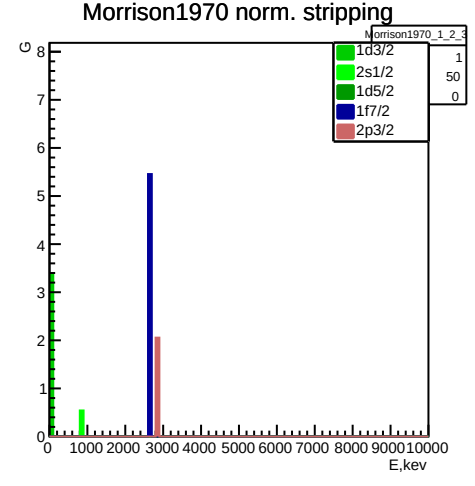
-4044.8 1f5/2 -0.157012 1.31402

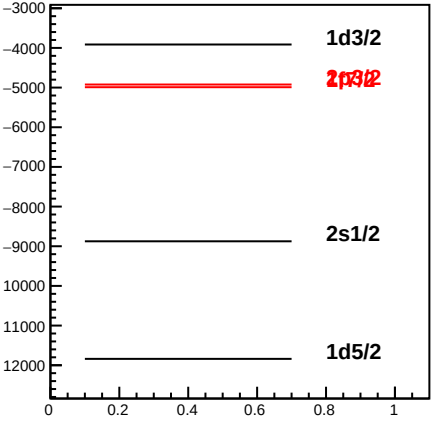
-3961.17 2p3/2 -0.356973 1.71395











Experiment: Kaschl1969 (8) Morrison1970 (5

proton transfer_norm

n^+ = 0.93434 ± 0 n^- = 1.30237 ± 0

penalty: 0.646941

E_F: -6121.67 ± 1282.38 keV

Δ: 3036.64 ± 1782.98 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

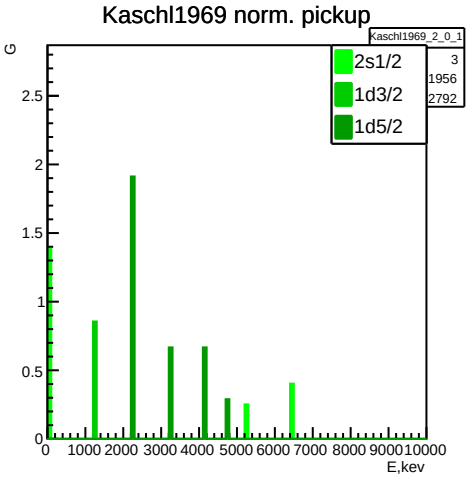
-8875.44 2s1/2 0.891981 1.32588

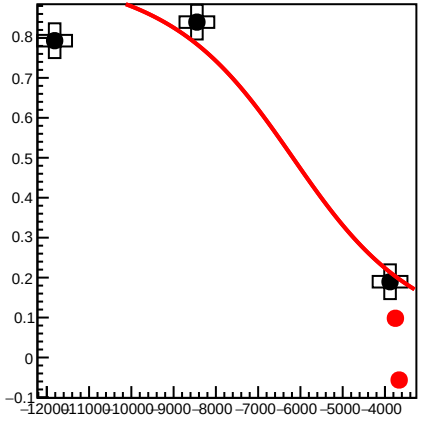
-3913.95 1d3/2 0.190248 1.06231

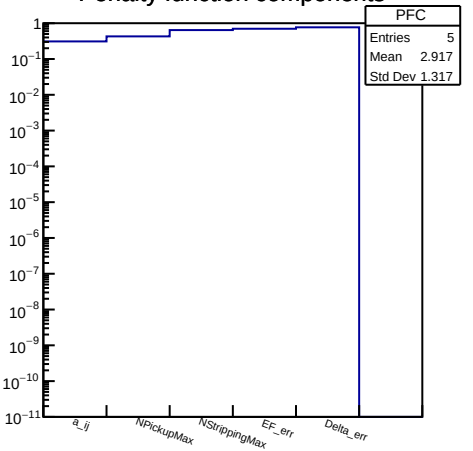
-11839.5 1d5/2 0.804037 0.611812

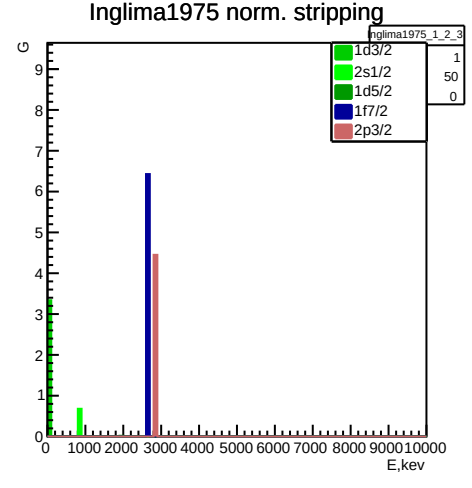
-4990.37 1f7/2 0.158966 0.682068

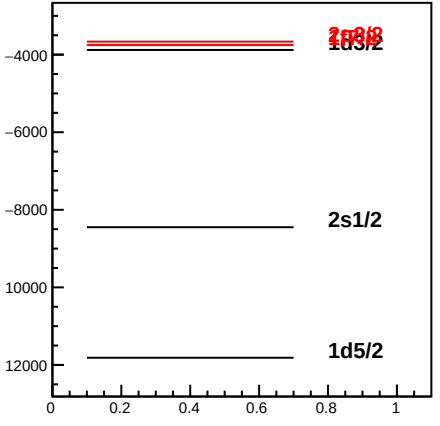
-4923.16 2p3/2 0.243056 0.513887











Experiment: Kaschl1969 (8) Inglima1975 (5)

proton transfer_norm

n^+ = 1.54543 ± 0 n^- = 1.25826 ± 0

penalty: 0.671946

E_F: -6178.02 ± 1184.49 keV

Δ: -3286.4 ± 1925.3 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

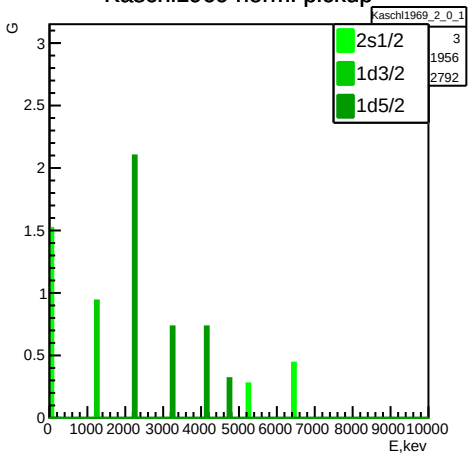
-8449.12 2s1/2 0.839598 1.35919

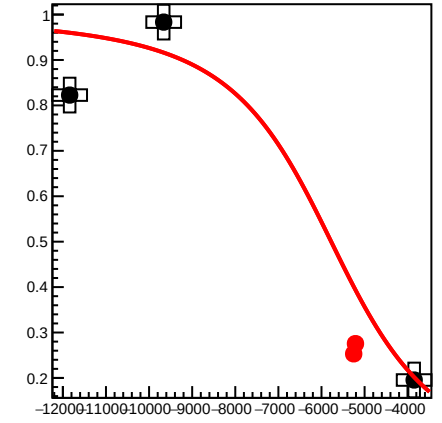
-3879.44 1d3/2 0.189685 1.04844

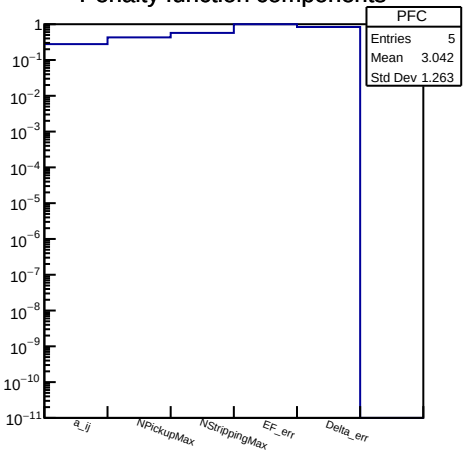
-11814.4 1d5/2 0.793097 0.592376

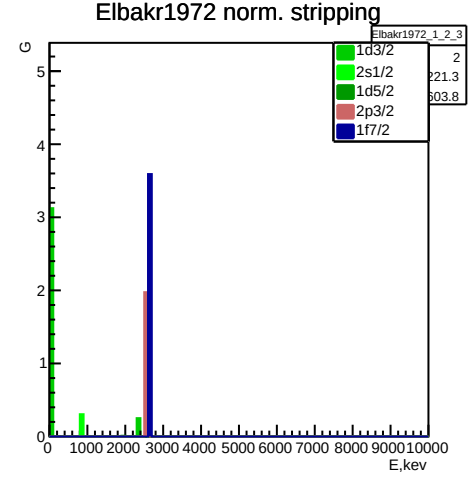
-3752.83 1f7/2 0.0981875 0.803625

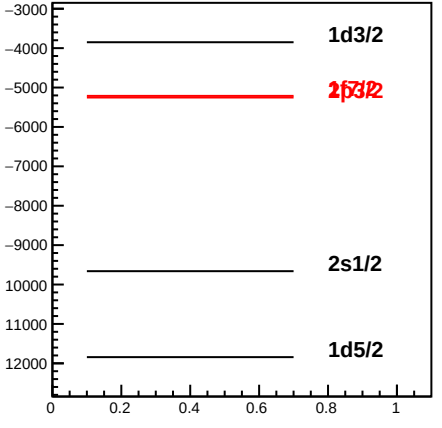
-3664.14 2p3/2 -0.0563558 1.11271











Experiment: Kaschl1969 (8) Elbakr1972 (6)

proton transfer_norm

n^+ = 0.897906 ± 0 n^- = 1.38195 ± 0

penalty: 0.718218

E_F: -5774.73 ± 1692.03 keV

Δ: -2588.02 ± 2094.8 keV

SPE,keV nlj OCC $\frac{G^+ + G^-}{2J+1}$

-9660.96 2s1/2 0.983369 1.27203

-3850.13 1d3/2 0.19545 1.07896

-11842.8 1d5/2 0.822709 0.64901

-5252.94 2p3/2 0.253076 0.493848

-5211.83 1f7/2 0.275524 0.448953