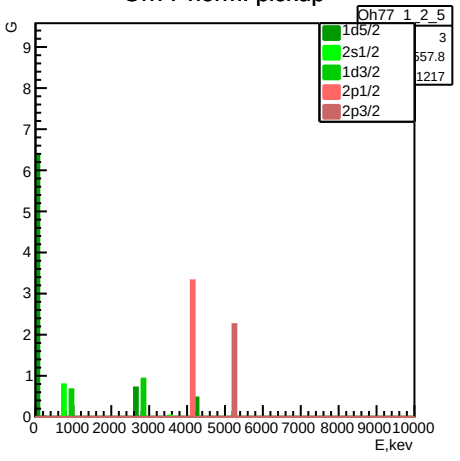
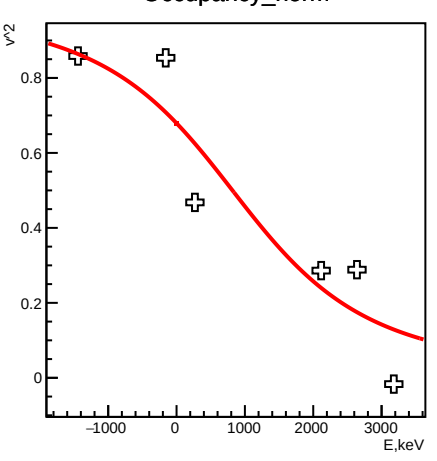
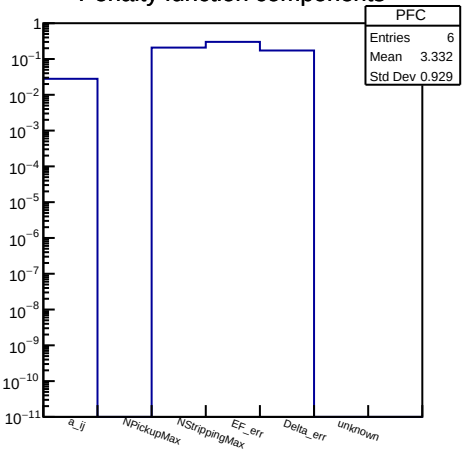
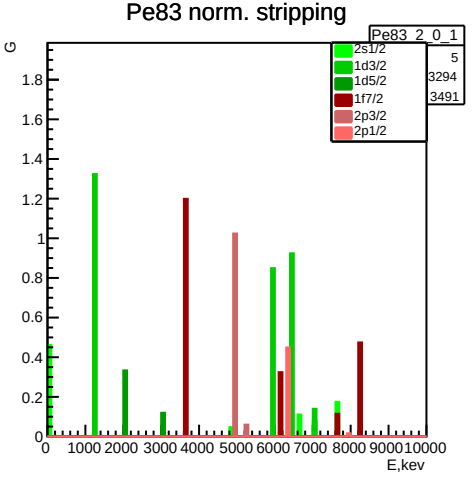
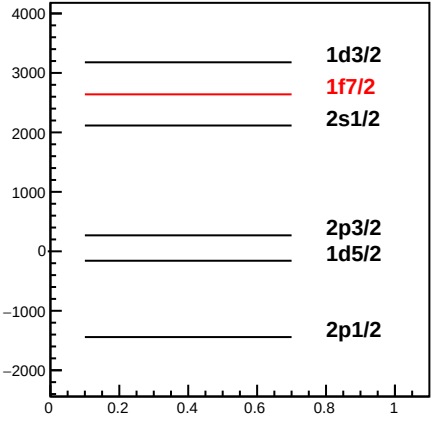










Experiment: Oh77 (9) Pe83 (19)

neutron transfer_norm

n^+ = 0.624487 ± 0 n^- = 1.52401 ± 0

penalty: 0.146152

E_F: 818.105 ± 423.789 keV

Δ: 2130.68 ± 713.496 keV

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

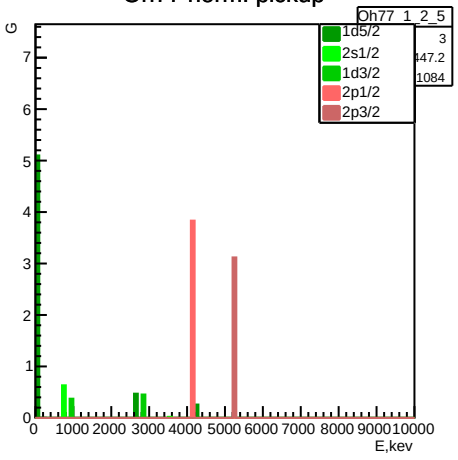
-158.329 1d5/2 0.853667 0.949333

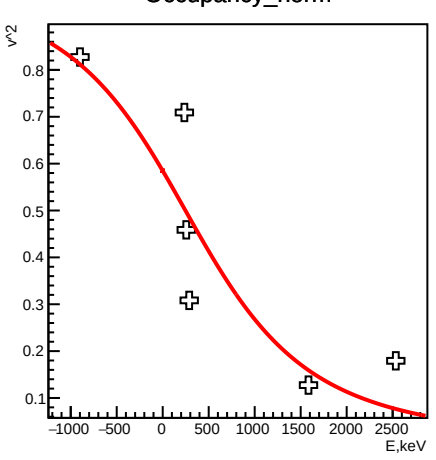
2115.83 2s1/2 0.286 0.97

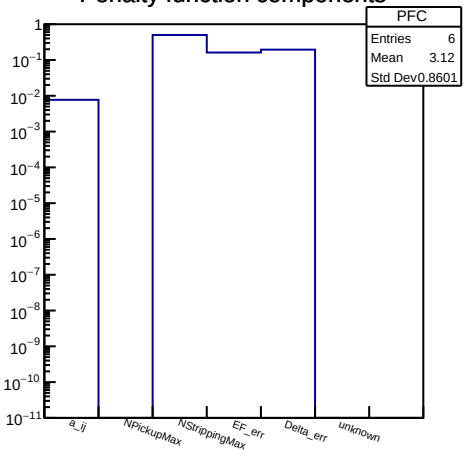
3178.73 1d3/2 -0.01675 1.5585

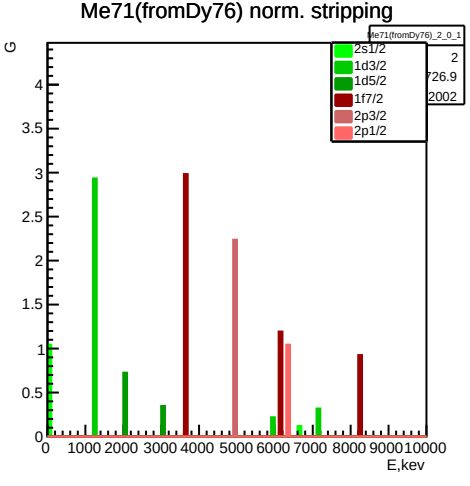
-1441.9 2p1/2 0.8585 1.463

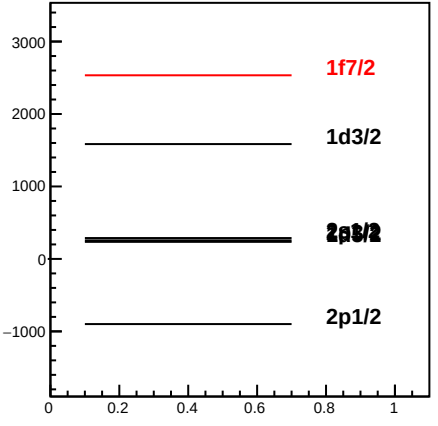
268.693 2p3/2 0.468 0.804











Experiment: Oh77 (9) Me71(fromDy76) (12)

neutron transfer_norm

n^+ = 0.994591 ± 0 n^- = 1.62424 ± 0

penalty: 0.161532

E_F: 246.98 ± 227.689 keV

Δ: -1436.56 ± 803.818 keV

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

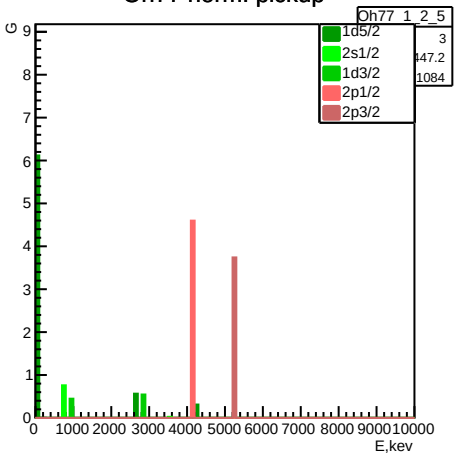
235.611 1d5/2 0.709167 0.778333

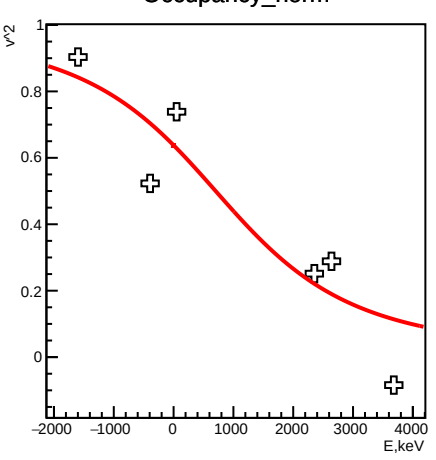
287.945 2s1/2 0.30825 0.7865

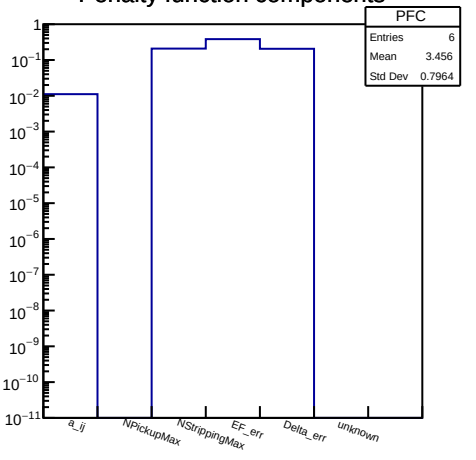
1584.87 1d3/2 0.1275 1

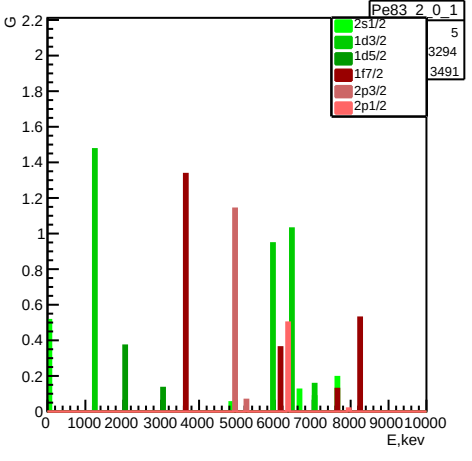
-899.136 2p1/2 0.8275 1.705

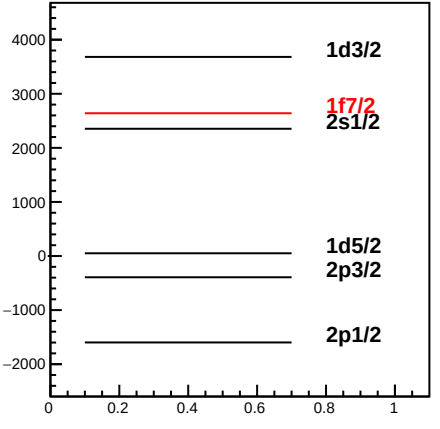
255.878 2p3/2 0.45875 1.0425











Experiment: Oh77 (9) Pe83 (19)

neutron transfer_norm

n^+ = 0.695647 ± 0 n^- = 1.94848 ± 0

penalty: 0.166654

E_F: 703.174 ± 539.115 keV

Δ: 2450.63 ± 849.516 keV

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

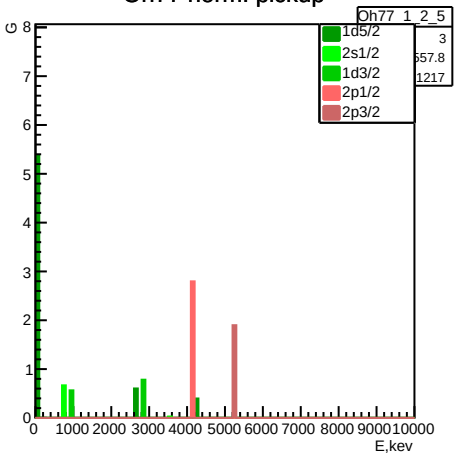
50.5341 1d5/2 0.738667 0.719333

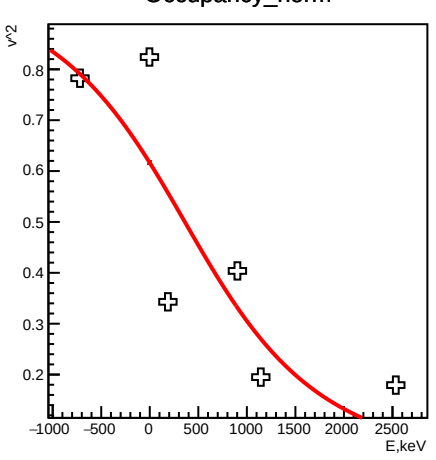
2353.18 2s1/2 0.25125 0.9005

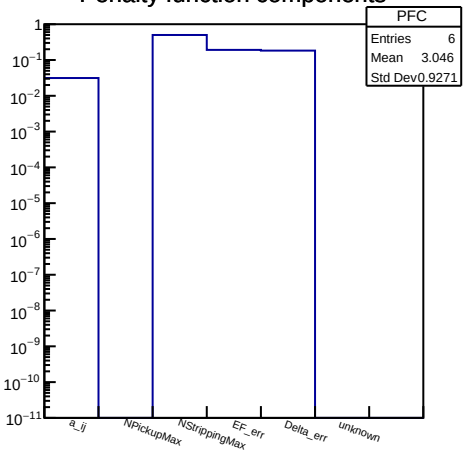
3681.62 1d3/2 -0.08425 1.4235

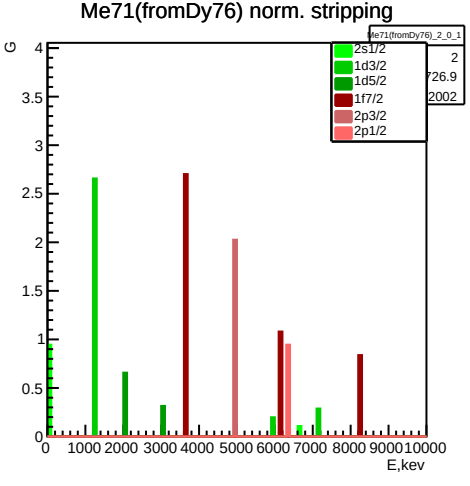
-1598.15 2p1/2 0.9035 1.553

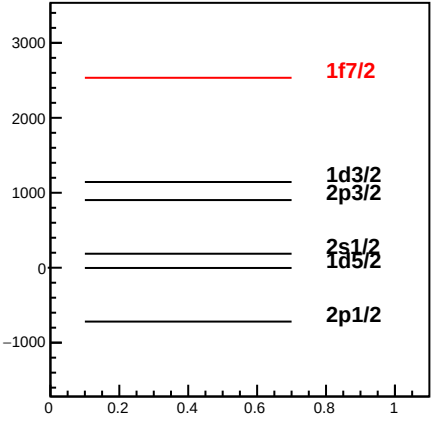
-392.715 2p3/2 0.523 0.914











Experiment: Oh77 (9) Me71(fromDy76) (12)

neutron transfer_norm

$n^+ = 0.900881 \pm 0$ $n^- = 1.28308 \pm 0$

penalty: 0.171383

E_F: 361.294 $\pm$ 269.835 keV

Δ: 1511.38 $\pm$ 755.622 keV

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

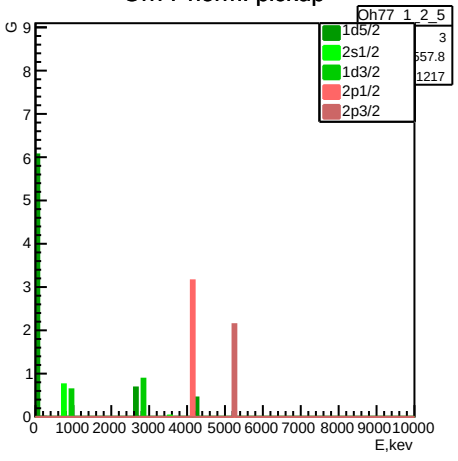
-3.24684 1d5/2 0.824167 1.00833

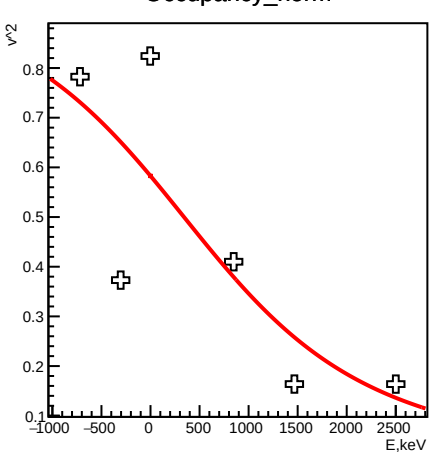
186.658 2s1/2 0.343 0.856

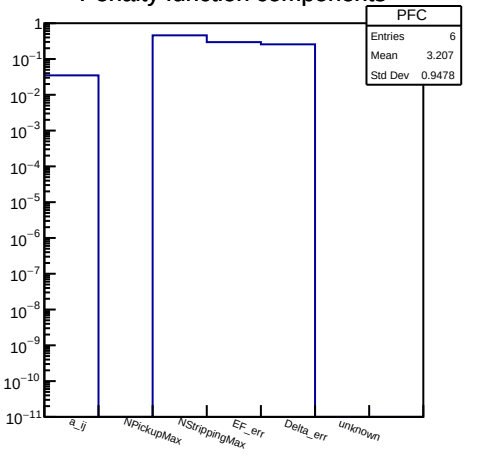
1143.73 1d3/2 0.195 1.135

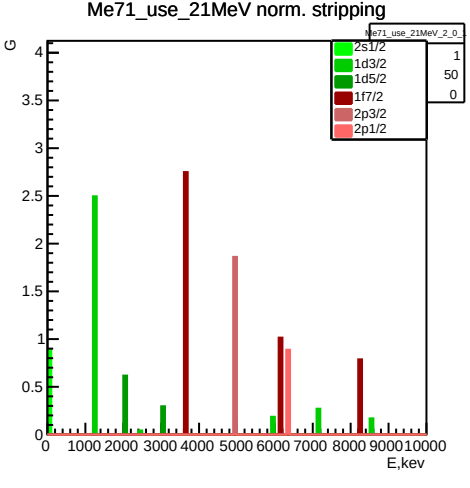
-718.637 2p1/2 0.7825 1.615

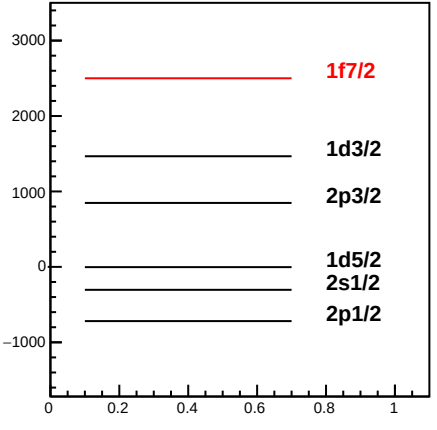
902.651 2p3/2 0.40375 0.9325











Experiment: Oh77 (9) Me71_use_21MeV (13)

neutron transfer_norm

n^+ = 0.846097 ± 0 n^- = 1.44715 ± 0

penalty: 0.241916

E_F: 341.424 ± 416.923 keV

Δ: 2034.07 ± 1060.77 keV

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

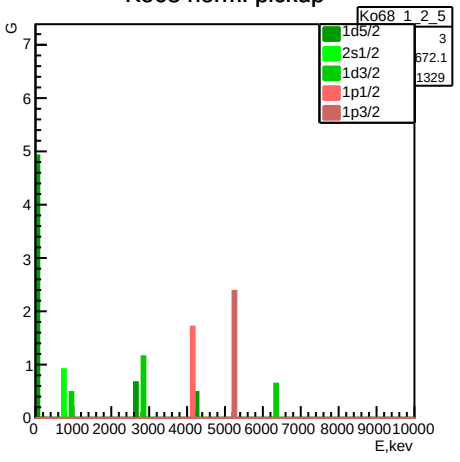
-3.24684 1d5/2 0.824167 1.00833

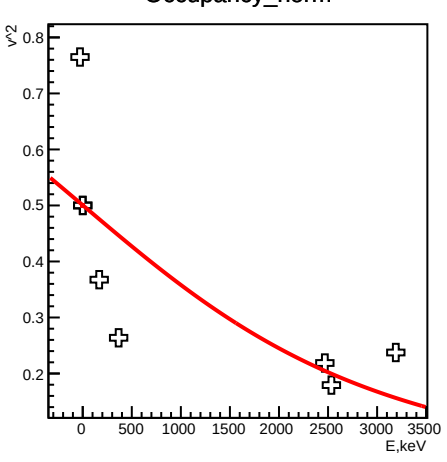
-303.99 2s1/2 0.373 0.796

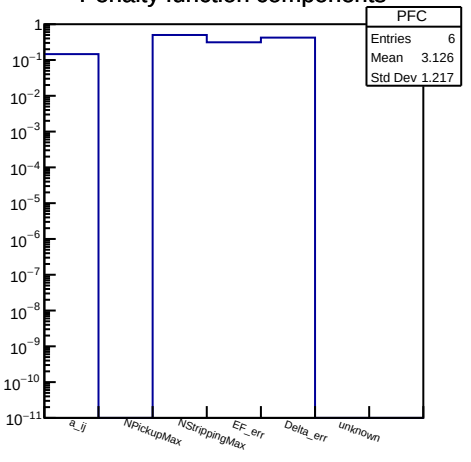
1466.68 1d3/2 0.16375 1.1975

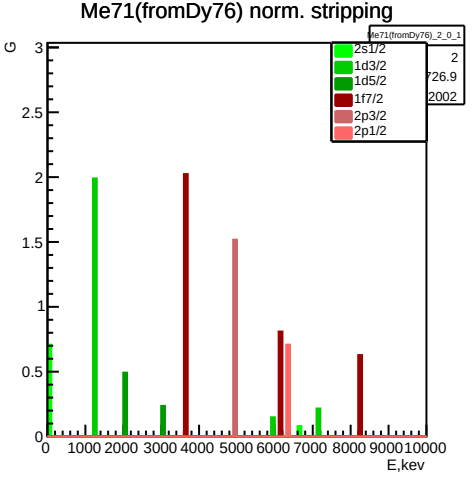
-718.637 2p1/2 0.7825 1.615

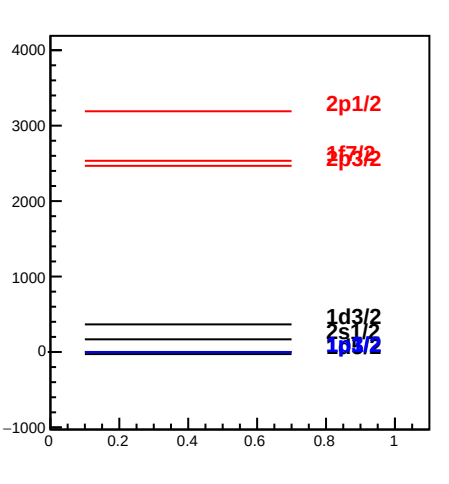
847.87 2p3/2 0.41 0.92











Experiment: Ko68 (9) Me71(fromDy76) (12)

neutron transfer_norm

n^+ = 0.674525 ± 0 n^- = 1.42733 ± 0

penalty: 0.251673

E_F: 3.28289 ± 439.895 keV

Δ: 3368.28 ± 1743.4 keV

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

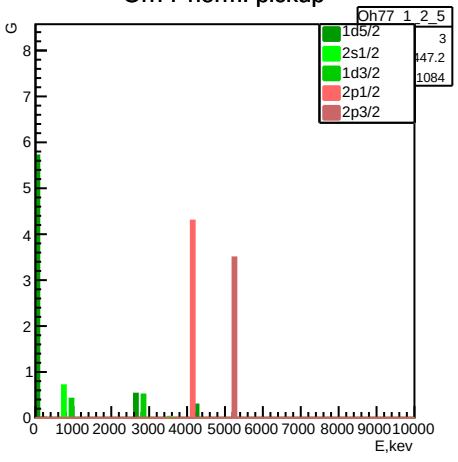
-27.7752 1d5/2 0.765 0.89

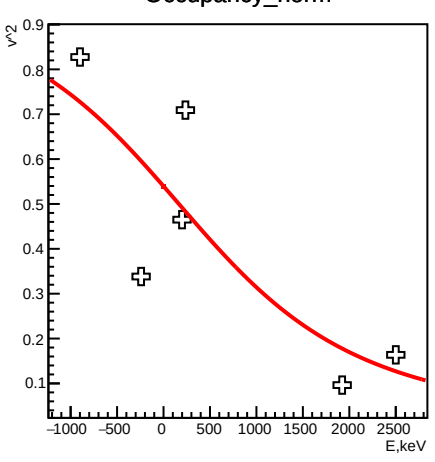
167.81 2s1/2 0.3675 0.905

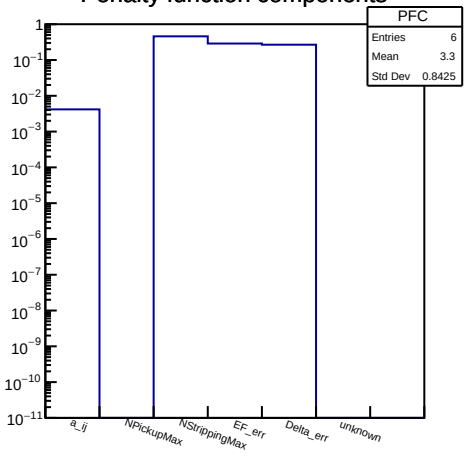
365.819 1d3/2 0.26375 1.2725

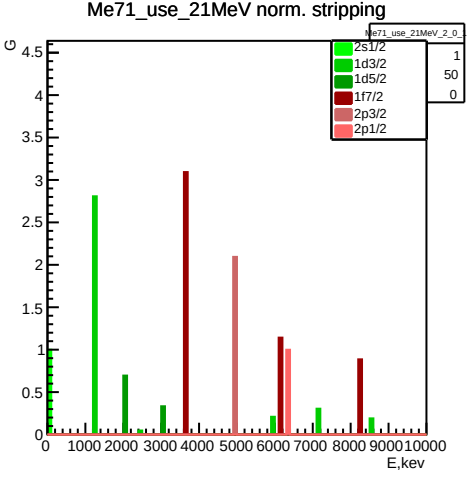
0 1p1/2 0.5 1.2

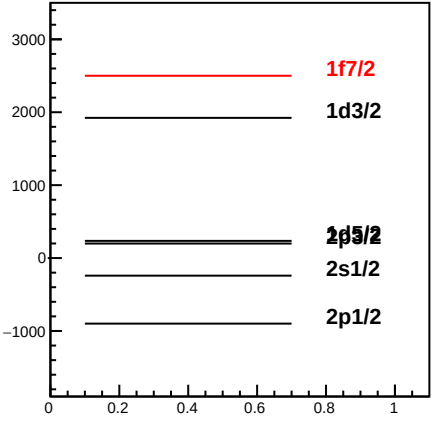
0 1p3/2 0.5 0.835











Experiment: Oh77 (9) Me71_use_21MeV (13)

neutron transfer_norm

n^+ = 0.951713 ± 0 n^- = 1.82005 ± 0

penalty: 0.251838

E_F: 165.543 ± 406.104 keV

Δ: 2085.01 ± 1104.83 keV

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

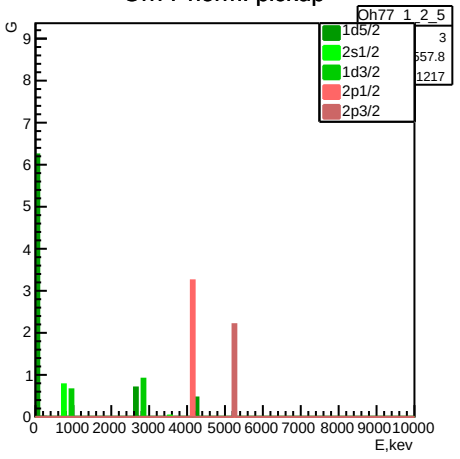
235.611 1d5/2 0.709167 0.778333

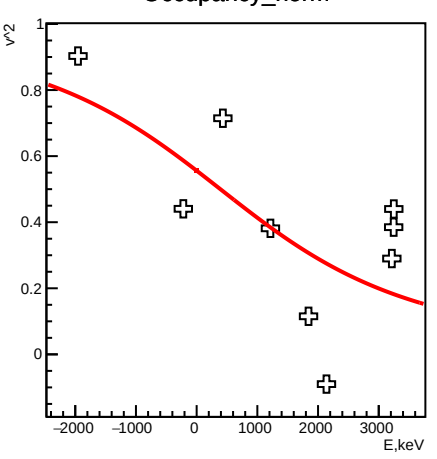
-241.276 2s1/2 0.33825 0.7265

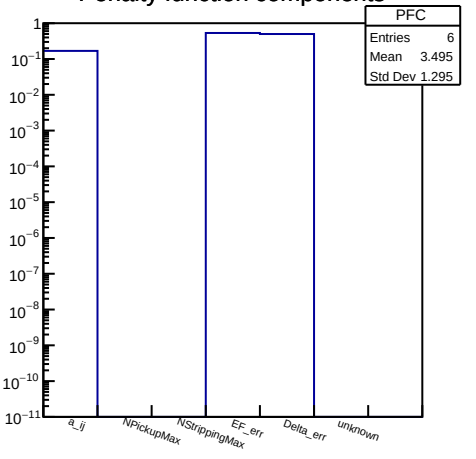
1922.9 1d3/2 0.09625 1.0625

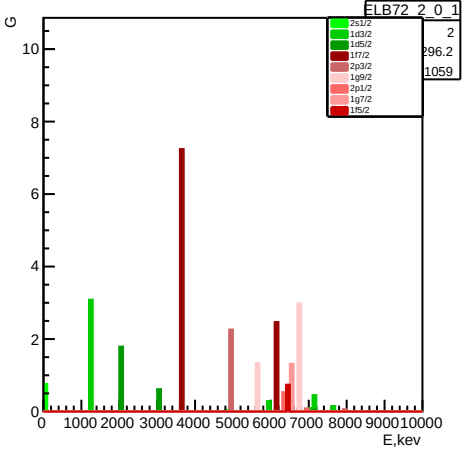
-899.136 2p1/2 0.8275 1.705

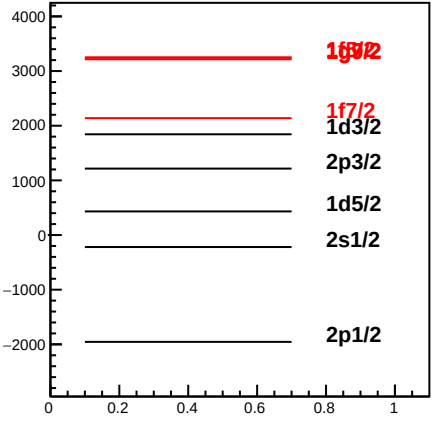
199.097 2p3/2 0.465 1.03











Experiment: Oh77 (9) ELB72 (24)

neutron transfer_norm

n^+ = 1.02866 ± 0 n^- = 1.49027 ± 0

penalty: 0.256964

E_F: 390.766 ± 751.002 keV

Δ: 3469.19 ± 2060.49 keV

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

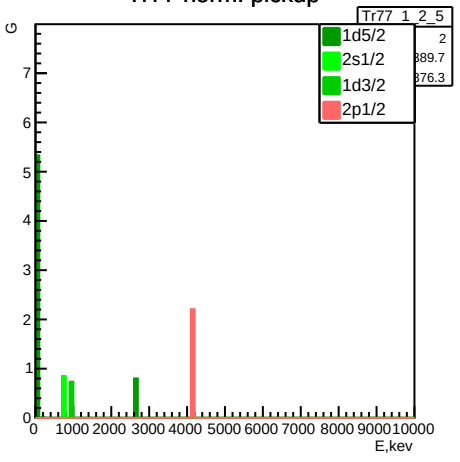
432.047 1d5/2 0.714667 1.22733

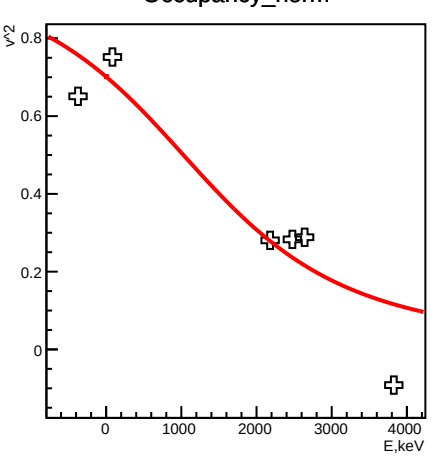
-219.625 2s1/2 0.4405 0.661

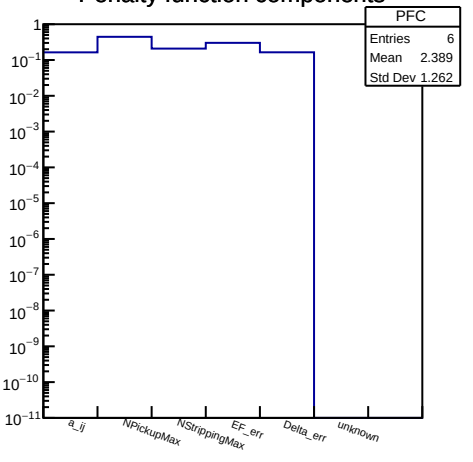
1843.22 1d3/2 0.11525 1.2945

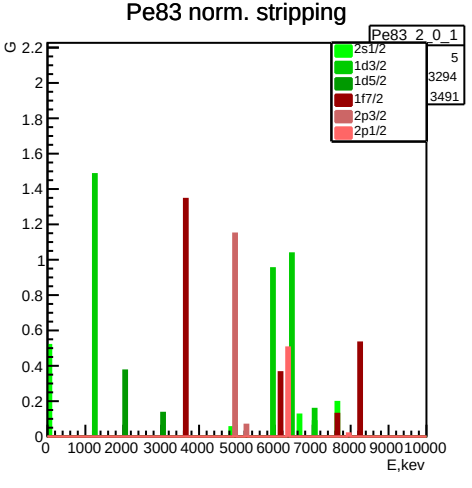
-1954.73 2p1/2 0.903 1.374

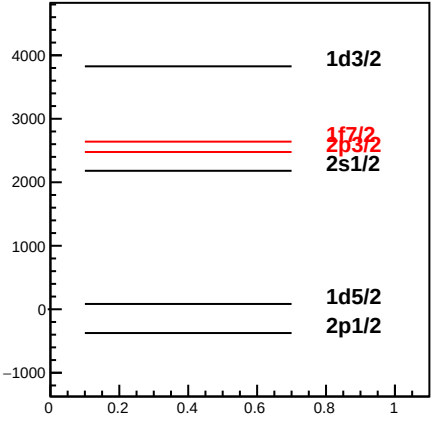
1215.45 2p3/2 0.3815 0.977











Experiment: Tr77 (5) Pe83 (19)

neutron transfer_norm

n^+ = 0.700264 ± 0 n^- = 1.63495 ± 0

penalty: 0.264385

E_F: 1027.87 ± 424.573 keV

Δ: -2336.5 ± 677.578 keV

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

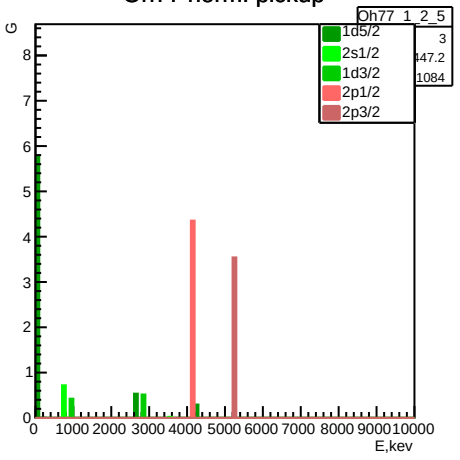
83.7483 1d5/2 0.752 0.746

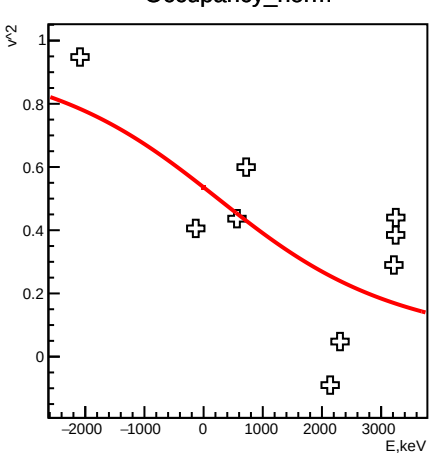
2180.7 2s1/2 0.2805 0.959

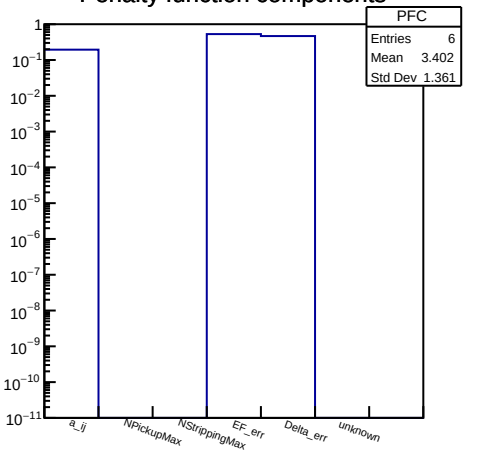
3825.89 1d3/2 -0.09175 1.4085

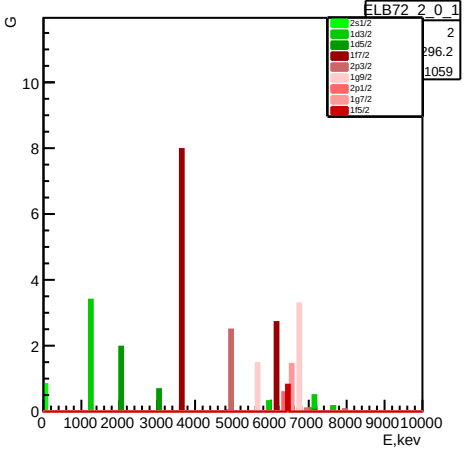
-374.225 2p1/2 0.651 1.048

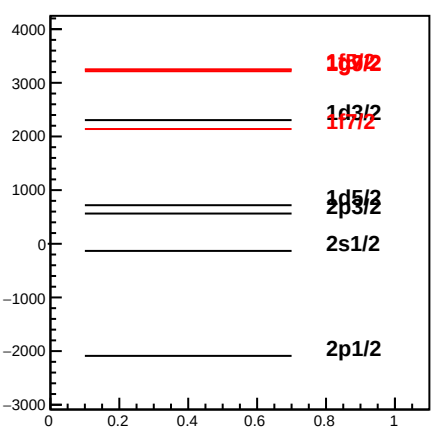
2639.92 1f7/2 0.2885 0.423











Experiment: Oh77 (9) ELB72 (24)

neutron transfer_norm

n^+ = 1.13248 ± 0 n^- = 1.84494 ± 0

penalty: 0.265318

E_F: 242.91 ± 745.485 keV

Δ: 3378.6 ± 1926.49 keV

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

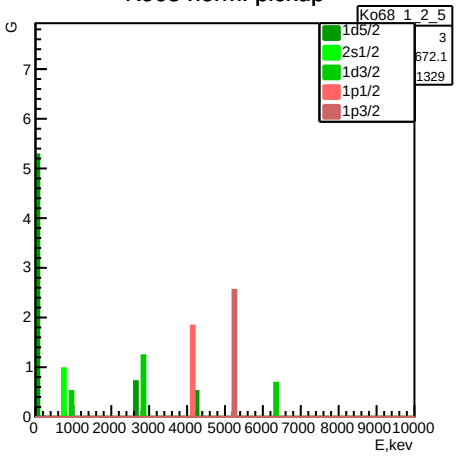
718.841 1d5/2 0.599667 0.997333

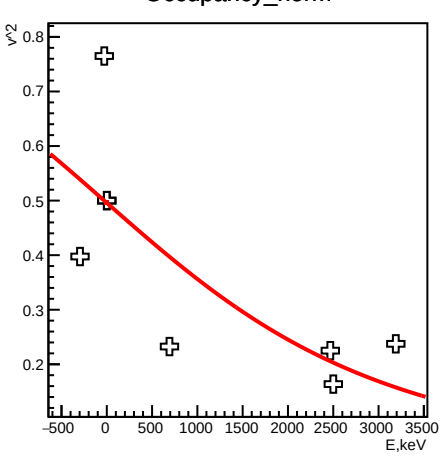
-132.684 2s1/2 0.40575 0.5915

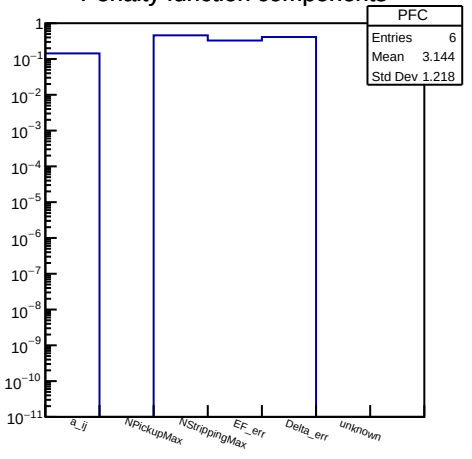
2305.11 1d3/2 0.04775 1.1595

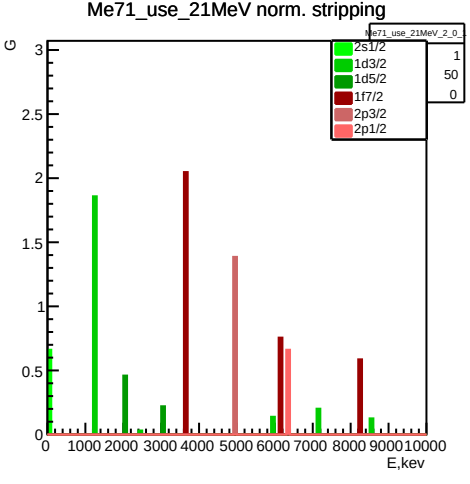
-2088.95 2p1/2 0.948 1.464

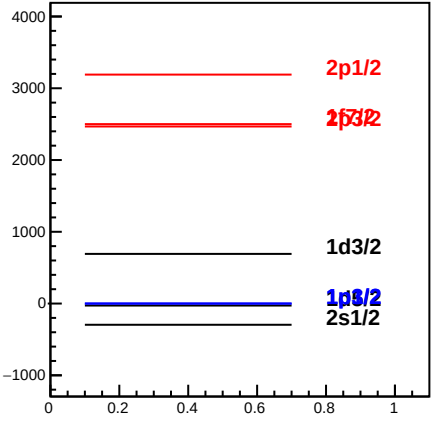
563.501 2p3/2 0.4365 1.087











Experiment: Ko68 (9) Me71_use_21MeV (13)

neutron transfer_norm

n^+ = 0.630055 ± 0 n^- = 1.53108 ± 0

penalty: 0.285336

E_F: -28.3655 ± 461.903 keV

Δ: 3425.67 ± 1698.2 keV

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

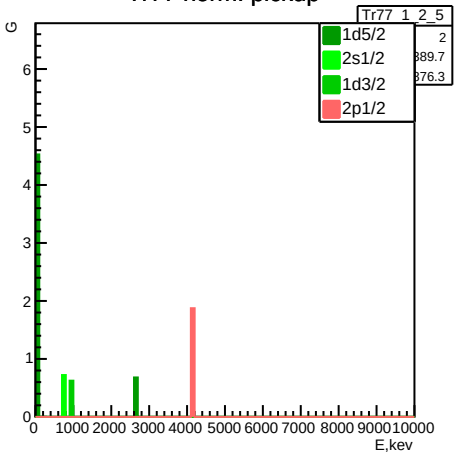
-27.7752 1d5/2 0.765 0.89

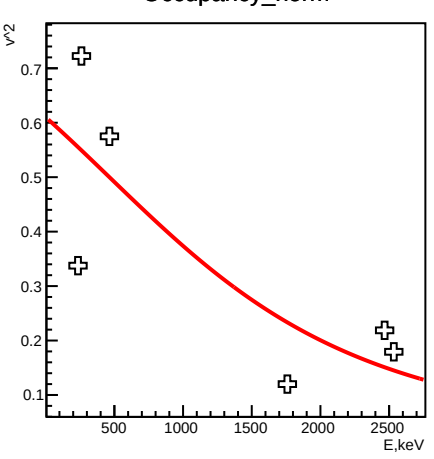
-295.725 2s1/2 0.3975 0.845

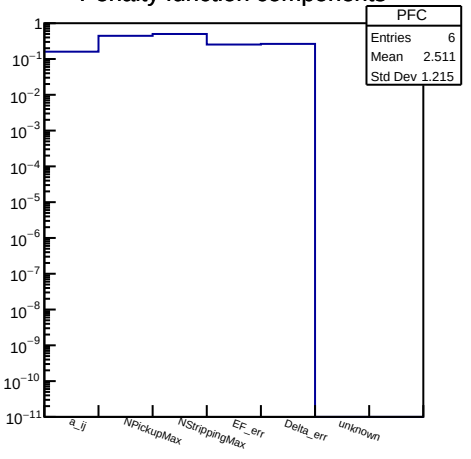
691.924 1d3/2 0.2325 1.335

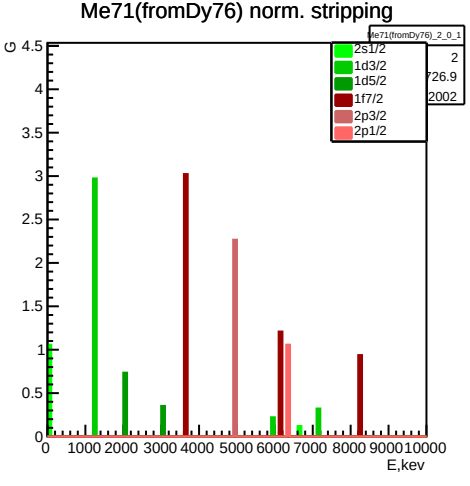
0 1p1/2 0.5 1.2

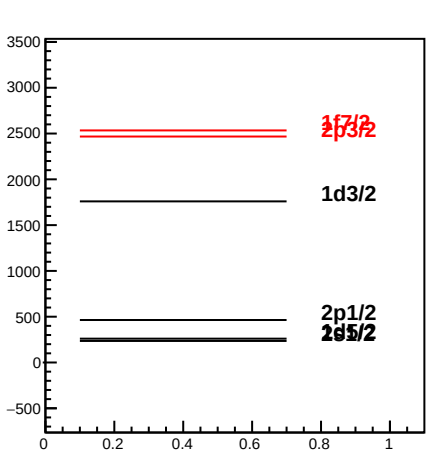
0 1p3/2 0.5 0.835











Experiment: Tr77 (5) Me71(fromDy76) (12)

neutron transfer_norm

n^+ = 1.00777 ± 0 n^- = 1.38854 ± 0

penalty: 0.335644

E_F: 463.821 ± 357.119 keV

Δ: 2054.39 ± 1091.28 keV

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

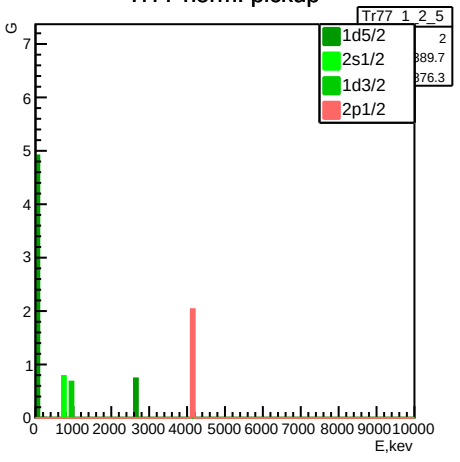
260.26 1d5/2 0.7225 0.805

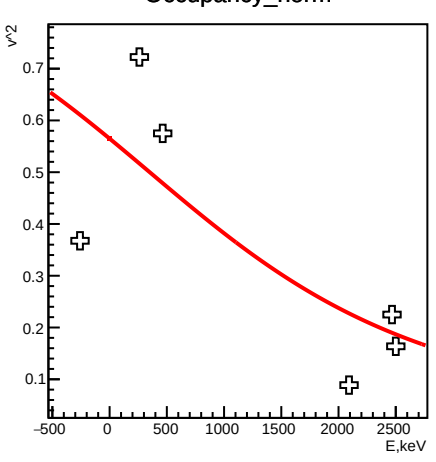
235.174 2s1/2 0.3375 0.845

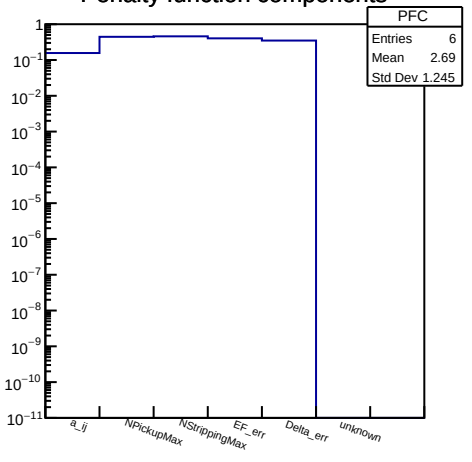
1759.24 1d3/2 0.12 0.985

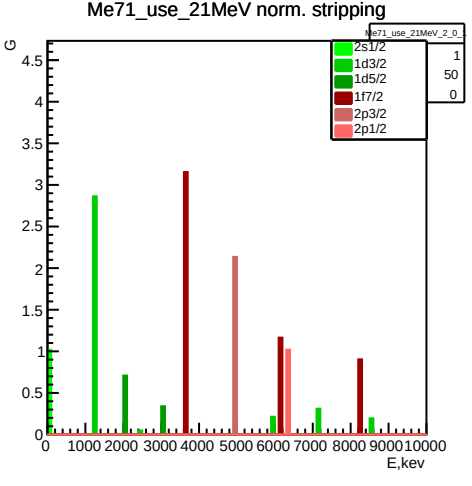
463.927 2p1/2 0.575 1.2

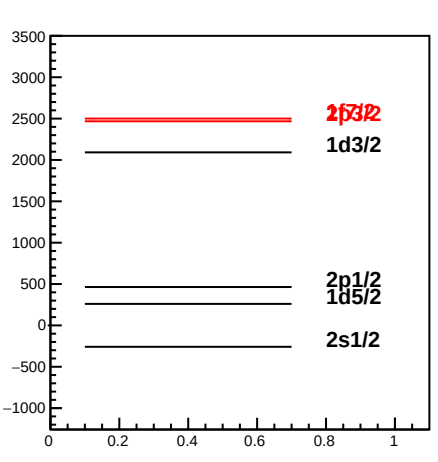
2534.09 1f7/2 0.179312 0.641375











Experiment: Tr77 (5) Me71_use_21MeV (13)

neutron transfer_norm

n^+ = 0.970613 ± 0 n^- = 1.50722 ± 0

penalty: 0.398641

E_F: 350.28 ± 567.027 keV

Δ: 2676.64 ± 1442.36 keV

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

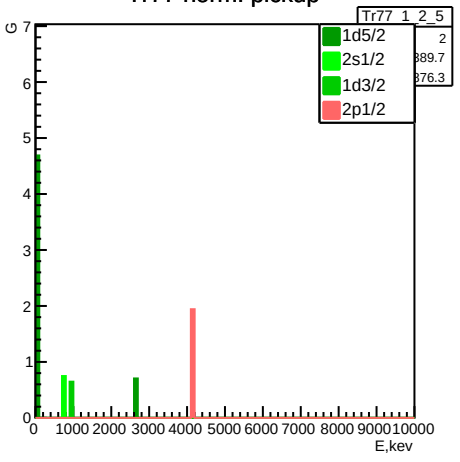
260.26 1d5/2 0.7225 0.805

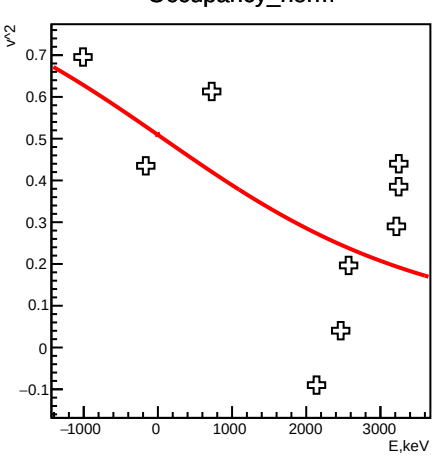
-258.642 2s1/2 0.3675 0.785

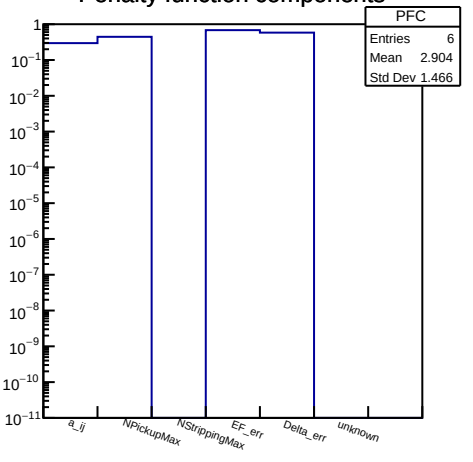
2091.71 1d3/2 0.08875 1.0475

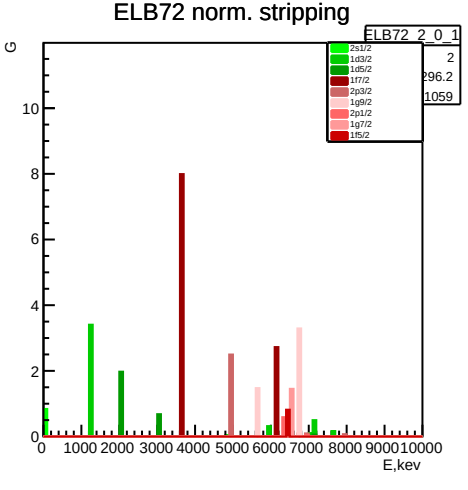
463.927 2p1/2 0.575 1.2

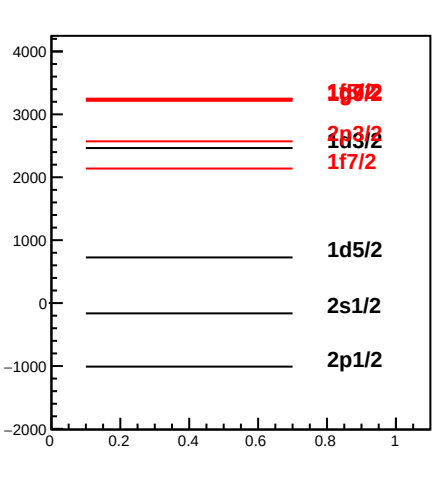
2500.39 1f7/2 0.163687 0.672625











Experiment: Tr77 (5) ELB72 (24)

neutron transfer_norm

n^+ = 1.13541 ± 0 n^- = 1.43829 ± 0

penalty: 0.413403

E_F: 73.7142 ± 961.439 keV

Δ: 4058.23 ± 2402.85 keV

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

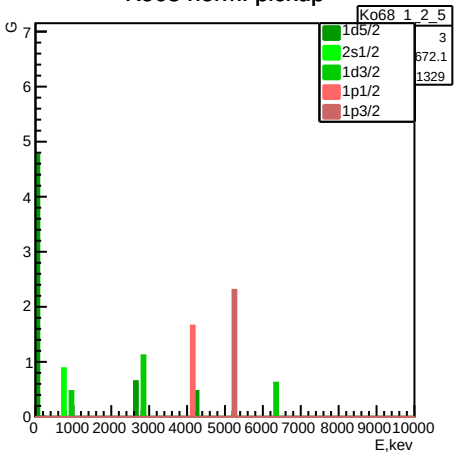
725.634 1d5/2 0.613 1.024

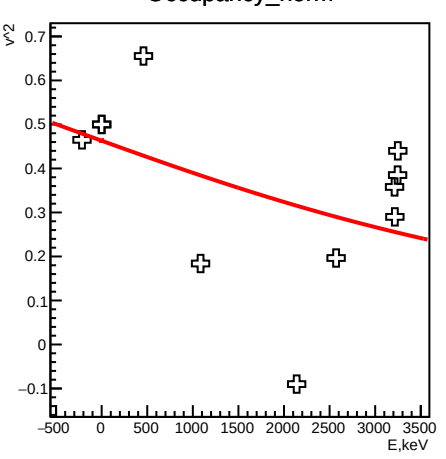
-163.431 2s1/2 0.435 0.65

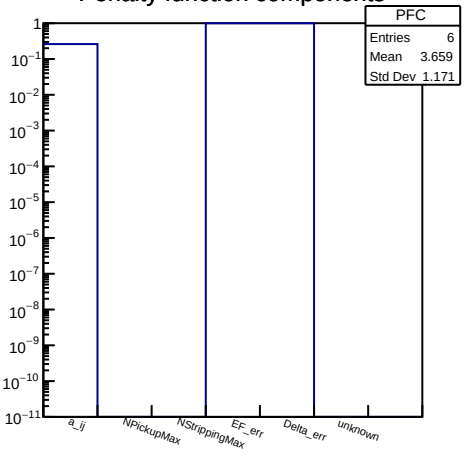
2464.63 1d3/2 0.04025 1.1445

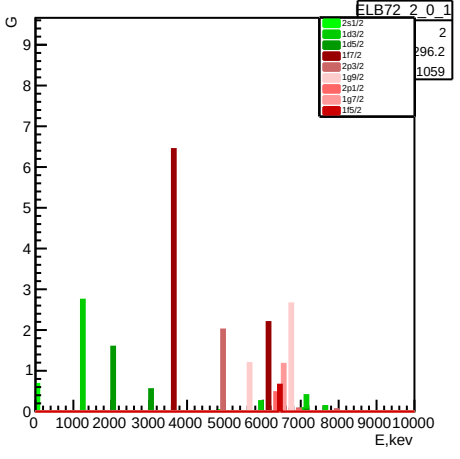
-1009.89 2p1/2 0.6955 0.959

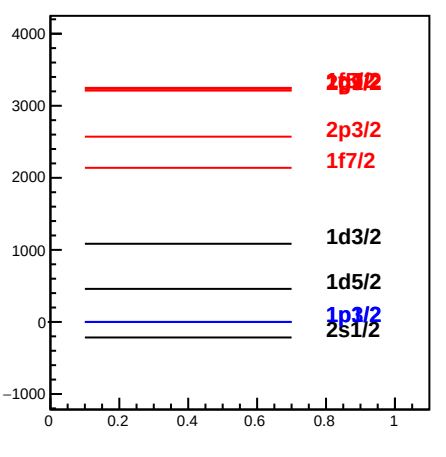
2138.77 1f7/2 -0.09 1.18











Experiment: Ko68 (9) ELB72 (24)

neutron transfer_norm

n^+ = 0.914906 ± 0 n^- = 1.38206 ± 0

penalty: 0.486285

E_F: -490.712 ± 1528.3 keV

Δ: 6617.47 ± 4893.68 keV

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

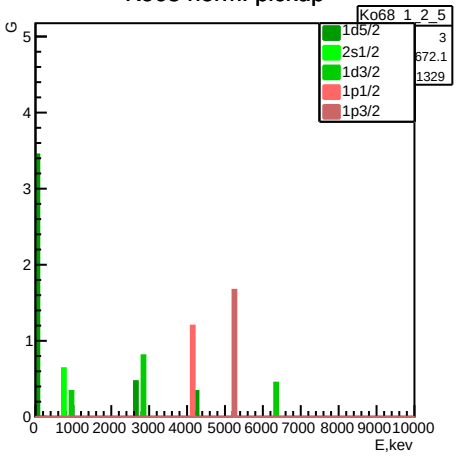
458.81 1d5/2 0.6555 1.109

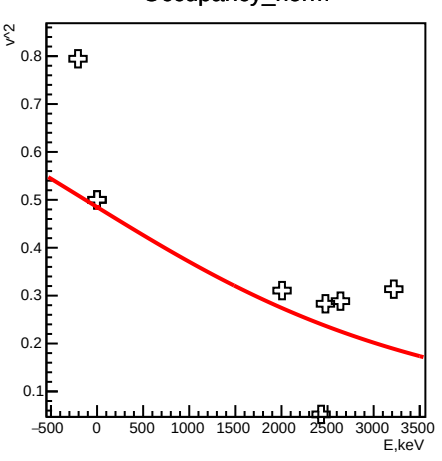
-215.611 2s1/2 0.465 0.71

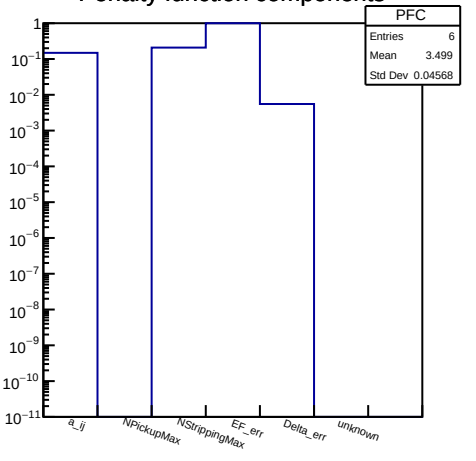
1084.79 1d3/2 0.184 1.432

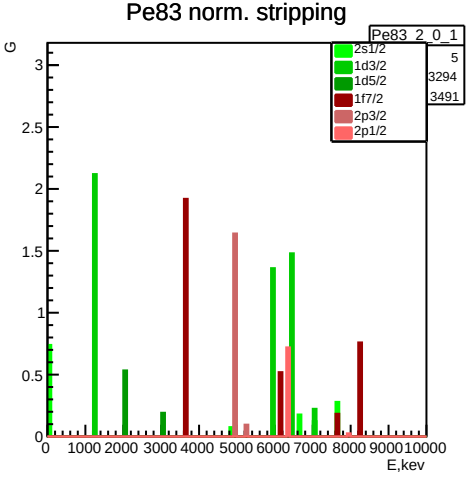
0 1p1/2 0.5 1.2

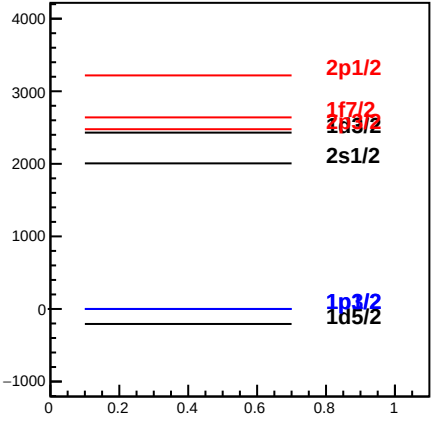
0 1p3/2 0.5 0.835











Experiment: Ko68 (9) Pe83 (19)

penalty: 123.896

Normalization was not perfomed.