

Investigation of Thermal and Electrical Properties of Composite Cathode Materials $\text{Pr}_{1-x}\text{Sr}_x\text{Fe}_{1-y}\text{Co}_y\text{O}_3$ ($x = 0.3, 0.4$; $y = 0.2$): GDC and $\text{La}_2\text{Ni}_{1-x}\text{Co}_x\text{O}_{4+\delta}$ ($x = 0.2$): GDC for SOFC

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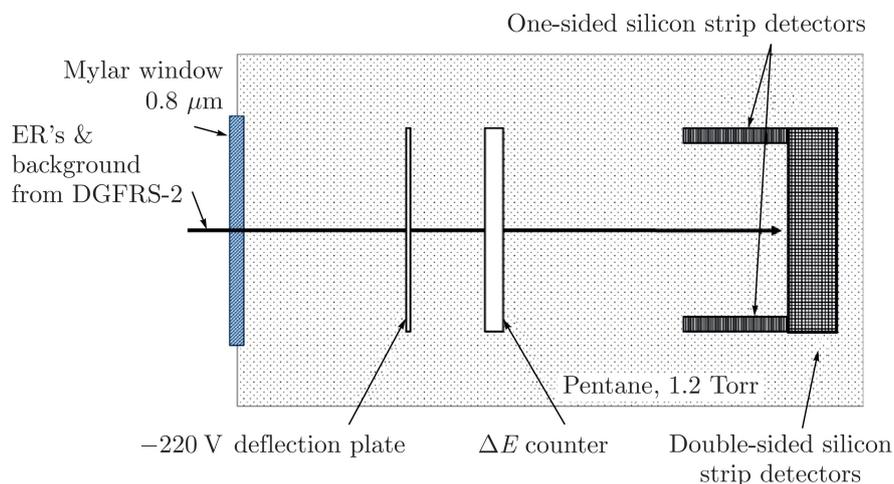


Figure 1. Schematics of the detection module of the DGFRS-2 setup (not to scale).

Table 1 below shows the events that fall outside the $\pm 3\sigma$ range of the main distribution. It should be noted that quantitatively these account for no more than approximately 2.8% of the total number of events.

Table 1.

Event distribution outside $\pm 3\sigma$.

^{217}Th $dt(ER - \alpha), \mu\text{s}$ Reaction $^{\text{nat}}\text{Yb} + ^{48}\text{Ca}$	Mean value, keV	Standard deviation	Left / right outside $\pm 3\sigma$, % (with respect to total event number)
25	18128	1656	1.18 / 1.34
50	18182	1677	1.51 / 1.23
100	18236	1639	1.55 / 1.36
800	18282	1625	1.49 / 1.55

Results and Discussion

They should be combined. The study results should be clear and concise. Restrict the use of tables and figures to depict data that is essential to the message and interpretation of the study. The results should be presented in a logical sequence in the text, tables, and illustrations. The discussion should explore the significance of the results of the work, not repeat them. Include in the discussion the implications of the findings and their limitations, how the findings fit into the context of other relevant work, and directions for future research.

$$\Delta E = \frac{\sum N_i \cdot \Delta_i}{\sum N_i} = 0.67, \quad (1)$$

Conclusion

The main conclusion(s) of the study should be presented in a short conclusion statement highlighting the goals of the study and its importance. State new hypotheses when warranted. Include recommendations when appropriate.

Acknowledgement

All acknowledgments (if any) should be included at the very end of the manuscript before the references. Anyone who contributed to the research or manuscript, but who is not a listed author, should be acknowledged (with their permission).

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