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## **PHELEX: Results and Perspectives**

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### **Abstract**

The results obtained in two series of measurements within 2023-2024 years with a multi-cathode counter with an iron cathode are presented. We observe some excess in count rates at certain periods in sidereal time. No similar effect has been observed in terrestrial time. This can be interpreted that probably this effect is of galactic origin and being this can be associated with dark photons. The future steps are discussed to increase the reliability of the results and to clarify important details.

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