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## **Tests of a low-energy pepperpot based on a micro-channel plate for high current protons sources 4D-emittance characterization**

*Tuesday, September 17, 2024 5:00 PM (1h 30m)*

In the scope of high current protons sources characterization, the CEA is working on a 4D-emittance meter based on the pepperpot technology. After some unsuccessful developments with phosphorous scintillators, we decided to test micro-channel plates (MCP) for measurements of proton beams at very low energy (typically between 50 and 100 keV). MCP are supposed to resist to proton beams at very low energy better than scintillators. This work presents some results for MCPs with an ALISES source on the BETSI test bench.

### **Footnotes**

### **Funding Agency**

### **I have read and accept the Privacy Policy Statement**

Yes

**Primary author:** THÉZÉ, Anna (Commissariat à l'Énergie Atomique et aux Énergies Alternatives)

**Co-authors:** DUBOIS, Augustin (Commissariat à l'Énergie Atomique); FERRAND, Guillaume (Commissariat à l'Énergie Atomique et aux Énergies Alternatives); TUSKE, Olivier (Commissariat à l'Énergie Atomique)

**Presenter:** DUBOIS, Augustin (Commissariat à l'Énergie Atomique)

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