Development of the muon entrance trigger system for the PSI muEDM experiment



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1. Muon Electric Dipole Moment

- The complementarity to the LHC search





- \succ μ⁺ from Pion-decay → high polarization $p \approx 95\%$





2. Entrance trigger detector: Fast scintillator triggers and Electronic logic

- Providing a trigger signal to the pulsed magnetic kicker
- Strict Requirements:



