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Type: **Talk**

## Micromegas: a versatile device for radiation detection and imaging applications

Tuesday 27 August 2024 16:40 (20 minutes)

Micromegas (MICRO-MEsh Gaseous Structure) gaseous detectors are under development for the past three decades. The specific technology has emerged as a versatile platform for radiation detection and imaging, offering good detection efficiency and spatial resolution, excellent timing properties, radiation hardness and reasonable production and operation costs. This talk will present an overview of the current status of Micromegas detectors, highlighting their diverse applications in areas, including high energy physics experiments, nuclear physics and environmental monitoring. The review mainly will cover aspects related to the principle of operation, detector design, and latest advancements, while will provide more details on specific reference photocathode studies conducted for the use of Micromegas as a solar blind UV sensor.

### Internet talk

No

### Is this an abstract from experimental collaboration?

No

### Name of experiment and experimental site

N/A

### Is the speaker for that presentation defined?

Yes

### Details

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