

Development of a Cherenkov Micromegas

Daniel Grewe

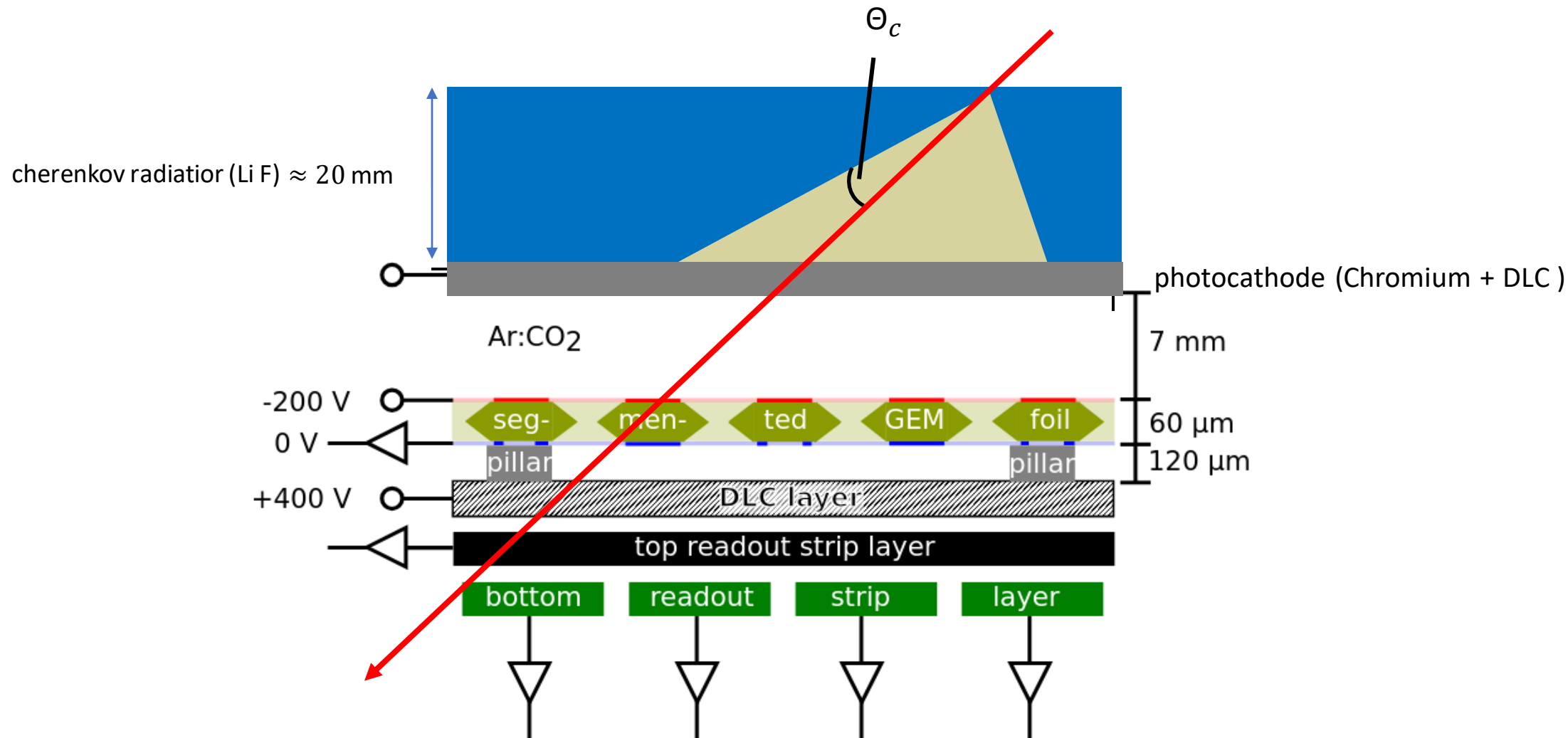
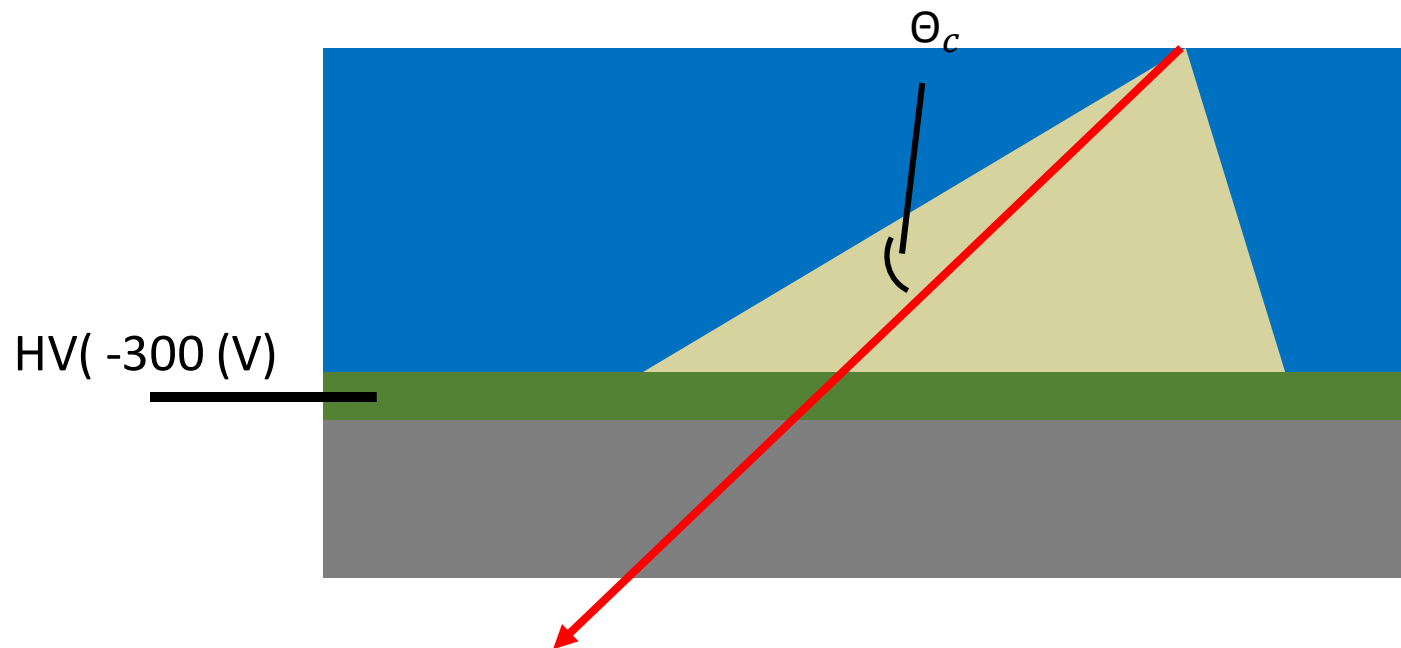


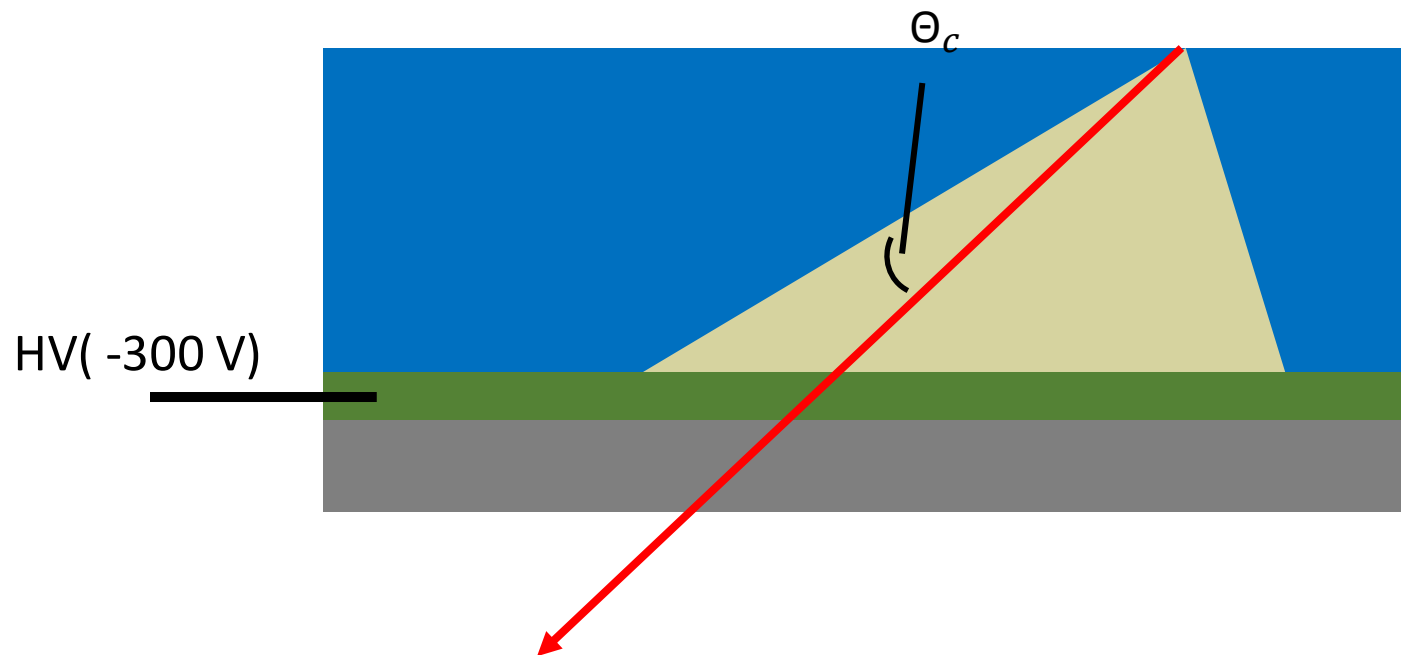
figure "Research and Development of a Segmented GEM Readout Detector" Christoph Jagdfeld



Cherenkov radiator LiF (≈ 20 mm)

Chromium (4 nm)

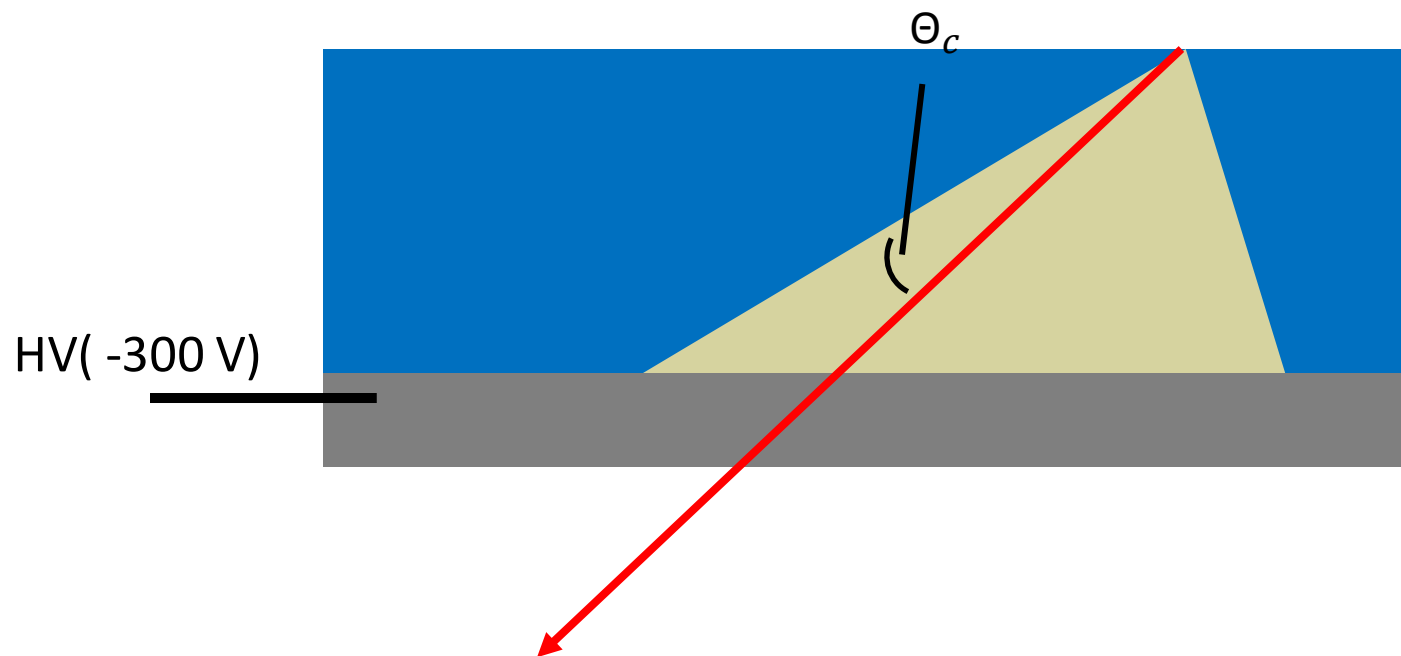
photocathode CsI (15 nm)



cherenkov radiator LiF (≈ 20 mm)

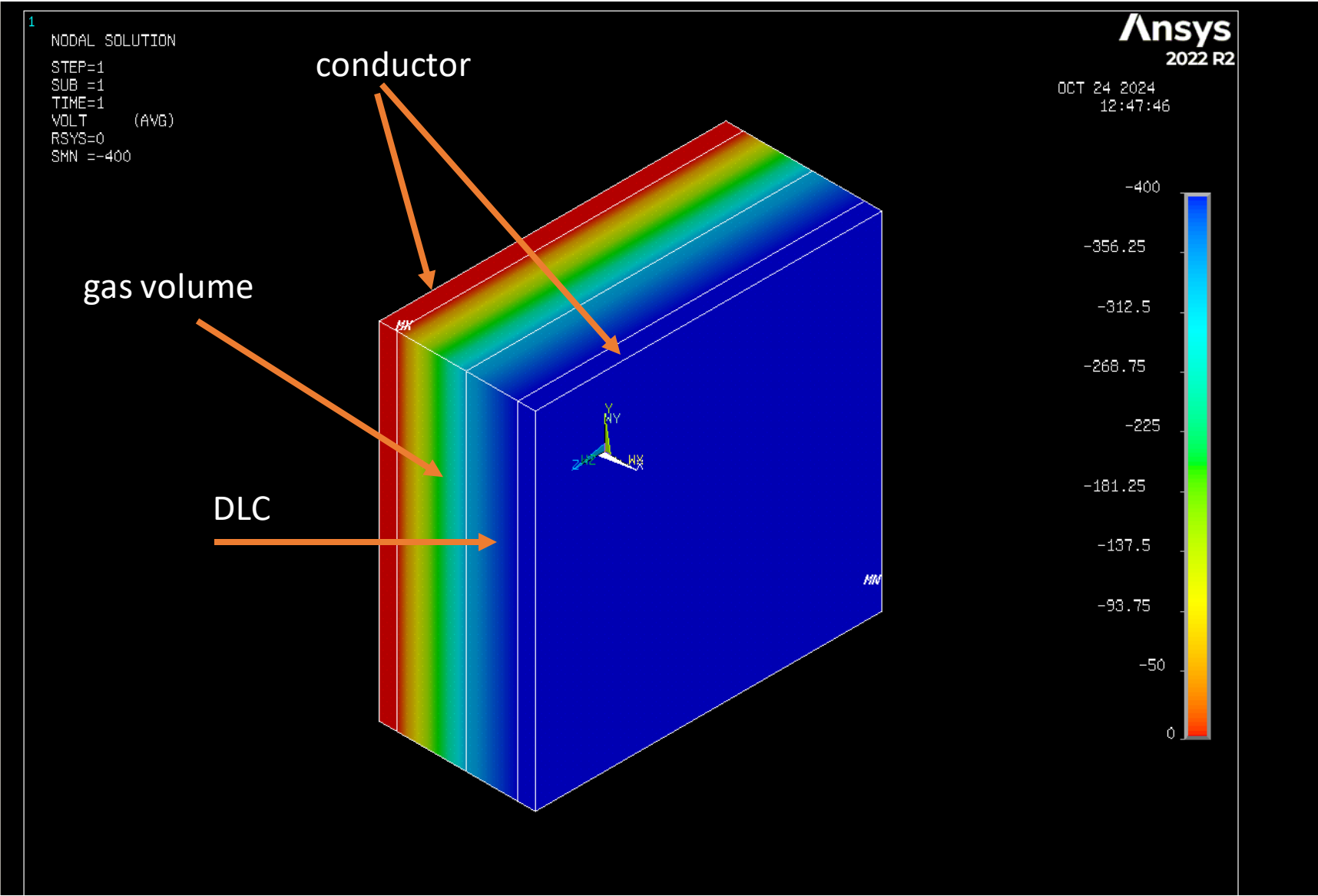
Chromium (≈ 4 nm)

photocathode DLC (≈ 10 nm)



cherenkov radiator LiF ($\approx 20 \text{ mm}$)

photocathode DLC ($\approx 10 \text{ nm}$)



≈ 45 V/mm

