

MEG II Experiment

Liquid Xenon γ Detector

Better uniformity
w/ VUV-sensitive
 $12 \times 12 \text{ mm}^2$ SiPM

Radiative
Decay
Counter

Further
reduction
of radiative
BG

Downstream

Positron
(e^+)

Gamma-ray (γ)

Muon (μ^+)

COBRA SC Magnet
Upstream

$7 \times 10^7/\text{s}$
(x2.3)

Pixelated Positron
Timing Counter

30ps resolution w/
multiple hits

Cylindrical Drift
Chamber

Single volume
small stereo cells
more hits

