

A NEW HANDY WAY TO IMPROVE YOUR PARTICLE THERAPY QA



✓ **WHAT?**
QEye is the innovative QA system for range and modulation verification in eye tumour therapy.

✓ **WHERE?**
QEye is conceived to be easily placed at the isocenter or mounted on the patient chair to characterize both pristine and spread-out Bragg peaks.

Range and modulation verification in ocular tumor therapy

✓ **WHEN?**
QEye allows to verify the position of the peak fall-off region with a water equivalent resolution better than 100 μm during the routine dosimetry procedures.

✓ **WHO?**
QEye is aimed at all medical physicists in eye proton facilities requiring fast and reliable equipment for proton beam assessment and quality assurance.

✓ **HOW?**
QEye is a multilayer Faraday cup and includes a dedicated software which supports QA activities and speeds up data analysis.

Fast, reliable and ultra-precise measurement

TYPE OF DETECTOR	Multilayer Faraday Cup
NUMBER OF CHANNELS	512
RANGE COVERED	~ 60 mm
TOTAL SENSITIVE AREA	\varnothing : 80 mm
NATIVE RESOLUTION	<120 μm
REPEATABILITY	>99%
MAXIMUM RAW DATA ACQUISITION RATE	1 kHz (parallel read-out of all the channels)
DATA COMMUNICATION	Ethernet TCP/IP
EXTERNAL DIMENSIONS	sphere \varnothing : 250 mm
WEIGHT	<10 kg

ALL COLORS OF INNOVATION



**HIGH PRECISION
PARTICLE DETECTORS
TAILORED TO YOUR NEEDS**