

A NEW HANDY WAY TO IMPROVE YOUR PARTICLE THERAPY QA

Q⁺PLUS

- ✓ **WHAT?**
QPlus is the ideal all in one QA devices to get profile measurements of beam spots in ocular proton treatment.
- ✓ **WHERE?**
QPlus is designed to be placed at the isocenter of passive scattering lines for 2D spot characterization.
- ✓ **WHEN?**
QPlus is conceived to speed up routine quality assurance measurements and replace the use of Gafchromic films.

Replace the use of Gafchromic films for 2D spot characterization

- ✓ **WHO?**
QPlus is aimed at medical physicists looking for reliable, fast and innovative device for profile characterization of ocular proton beams.
- ✓ **HOW?**
Qplus has a special dotted pad along X and Y direction with 63 measurement points of 0.5 mm diameter at a pitch of 0.6 mm along vertical and horizontal direction.
- ✓ **WHY?**
QPlus includes dedicated software, power supply and electronic interfaces for an easier setup and a enhanced signal-to-noise ratio.

For profile characterization of ocular proton beams

TYPE OF DETECTOR	Air vented ionization chamber
NUMBER OF CHANNELS	63 X dots and 63 Y dots
TOTAL SENSITIVE AREA	37,8 mm x 37,8 mm
DOTS DIMENSION	Ø 0,5 mm
PITCH	0,6 mm
REPEATABILITY	>99%
DATA COMMUNICATION	Ethernet TCP/IP
EXTERNAL DIMENSIONS	360*180*90 mm ³
WEIGHT	<5 kg

ALL COLORS OF INNOVATION



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

DETECTOR

DEVICES AND TECHNOLOGIES TORINO