# Development of New Compact Neutron Camera for Safe Proton Therapy

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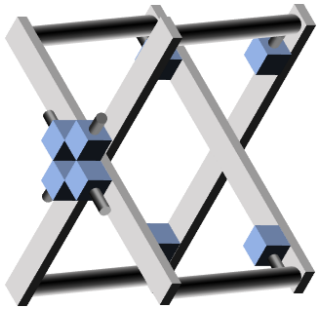
In this study, we introduce a novel neutron camera, which can be used in proton therapy and can visualize the neutron source direction.



Plastic scintillator : EJ-299-34 ($30 \times 30 \times 30 mm^3$)
PMT : UR9880-210U ($\phi$ = 8mm, Ultra bialkali)
Camera size : $30 \times 30 \times 30 cm^3$

<u>Imaging of secondary neutron source at 70 MeV proton beam line</u>
We successfully identified secondary neutron source direction