

8th Beam Telescopes and Test Beams Workshop



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Scintillators characterization with KOMAC proton beam

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The operation of the proton linear accelerator for multipurpose application started from 2013 at Korea Multi-purpose Accelerator Complex (KOMAC) at Gyeongju, Republic of Korea. They supply two energy of proton beams to users, one for 20 MeV and the other for 100 MeV proton beam for various applications with the energy range from 20 to 100 MeV by degraders.

We tested several scintillators of scintillation properties, particle response and radiation hardness using proton beam. Proton beam test results of newly developed Ti2LaCl5:Ce and Gd3Al2Ga3O12:Ce , and glass scintillators will be presented.

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