SOBP beam analysis using light output of scintillation plate acquired by CCD camera

Figure 1 shows the light output of high sensitivity scintillation plate according to integration time. The used integration time was between 0.1 and 1.0 sec. The light output is in proportional to the integration time.

Fig. 1. Light output of high sensitivity scintillation plate according to integration time.

Figure 2 shows SOBP beam calculated by Geant4 toolkit and 13 Bragg-peak beams obtained by ROOT program.

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Figure 3 shows 5 Bragg-peak beams in SOBP beam analyzed by the acquired images.

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