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Observation method of knock-on tail created by nuclear elastic scattering in deuterium distribution function is presented assuming a proton-beam-injected deuterium plasma. The velocity distribution functions for protons injected with 200 keV beam energy and 30 MW power toward (a) tangential and (b) vertical directions to the toroidal axis are shown. Here v_0 represents the velocity of 60-keV deuteron. The distribution functions are evaluated on the basis of ion trajectory analysis in ITER-like magnetic configuration. (Hideaki MATSUURA *et al.*, Plasma and Fusion Research, Vol.11, 1403105 (2016) <http://www.jspf.or.jp/>)



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