Spin dynamics in the kagomé ice state YOSHIKAZU TABATA, Osaka University, Japan, HIROAKI KADOWAKI, Tokyo Metropolitan University, Japan, KAZUYUKI MATSUHIRA, Kyushu Institute of Technology, Japan, ZENJI HIROI, NAOFUMI ASO, ISSP, University of Tokyo, Japan, BJÖRN FÅK, CEA-Grenoble, France — Macroscopic degeneracy of the spin ice state in the geometrically frustrated pyrochlore oxide Dy$_2$Ti$_2$O$_7$ is partly or fully released under magnetic fields. For field along a [111] axis, it was proposed that another macroscopic degeneracy with a finite zero-temperature entropy occurs in the frustrated kagomé layers, which are built in the pyrochlore lattice. We have investigated this kagomé ice state using single-crystalline neutron scattering experiments. Spin correlations, i.e. scattering intensity maps, will be discussed based on Monte-Carlo simulations of the spin-ice model with the dipolar interaction.