Radial pyroxene chondrule の X 線 CT 法による
3 次元構造解析とその再现実験
○ 草加 洪都、土山 岳明（阪大院理）、中野 司（GSJ-AIST）、
野口 高明（茨城大理）、上杉 健太郎（SPRing-8・JASRI）

Three-dimensional structure of radial pyroxene chondrules
using X-ray microtomography and their experimental reproduction
○ Hiroto Kusaka, Akira Tsuchiyama (Osaka Univ.), Tukasa Nakano (GSJ),
Noguchi Takaaki (Ibaragi Univ.) and Kentaro Uesugi (JASRI)

Kusaka et al. (2001) examined three-dimensional structures of radial pyroxene (RP) chondrules in the Bjurböle meteorite (L4) by X-ray microtomography using synchrotron radiation at BL20B2 in SPring-8 and found two types of structures; radial sets of needle pyroxene crystals (needle type) and radial sets of planar pyroxene crystals (plate type). The purposes of this study are to elucidate details of these structures and to reproduce the two types of textures in a laboratory to understand chondrule formation process and conditions in the primordial solar nebula. We succeeded in reproducing the plate type.

...