

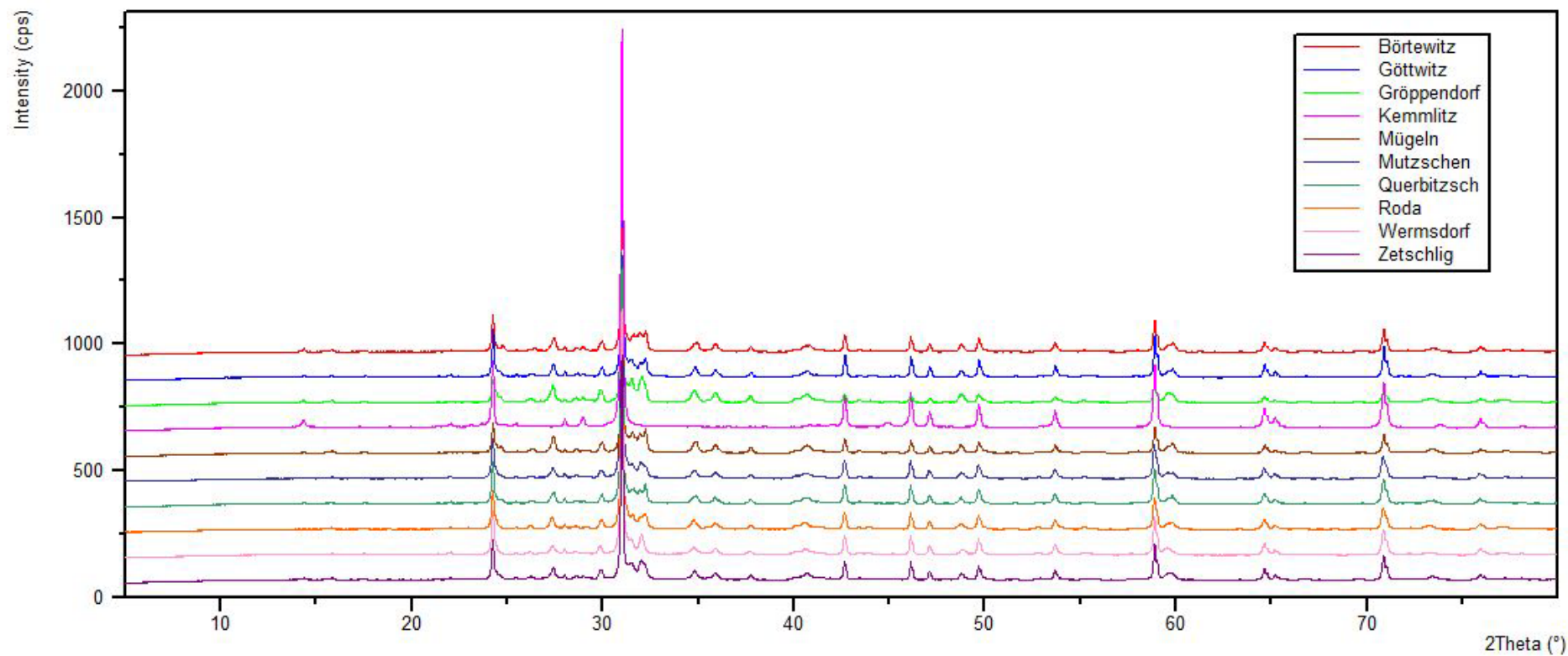


Fig. S1 Diffraction patterns (background corrected) of a porphyritic rhyolite from Zetschlig and lithophysae from different locations of the Kemmlitz rhyolite (see inset)

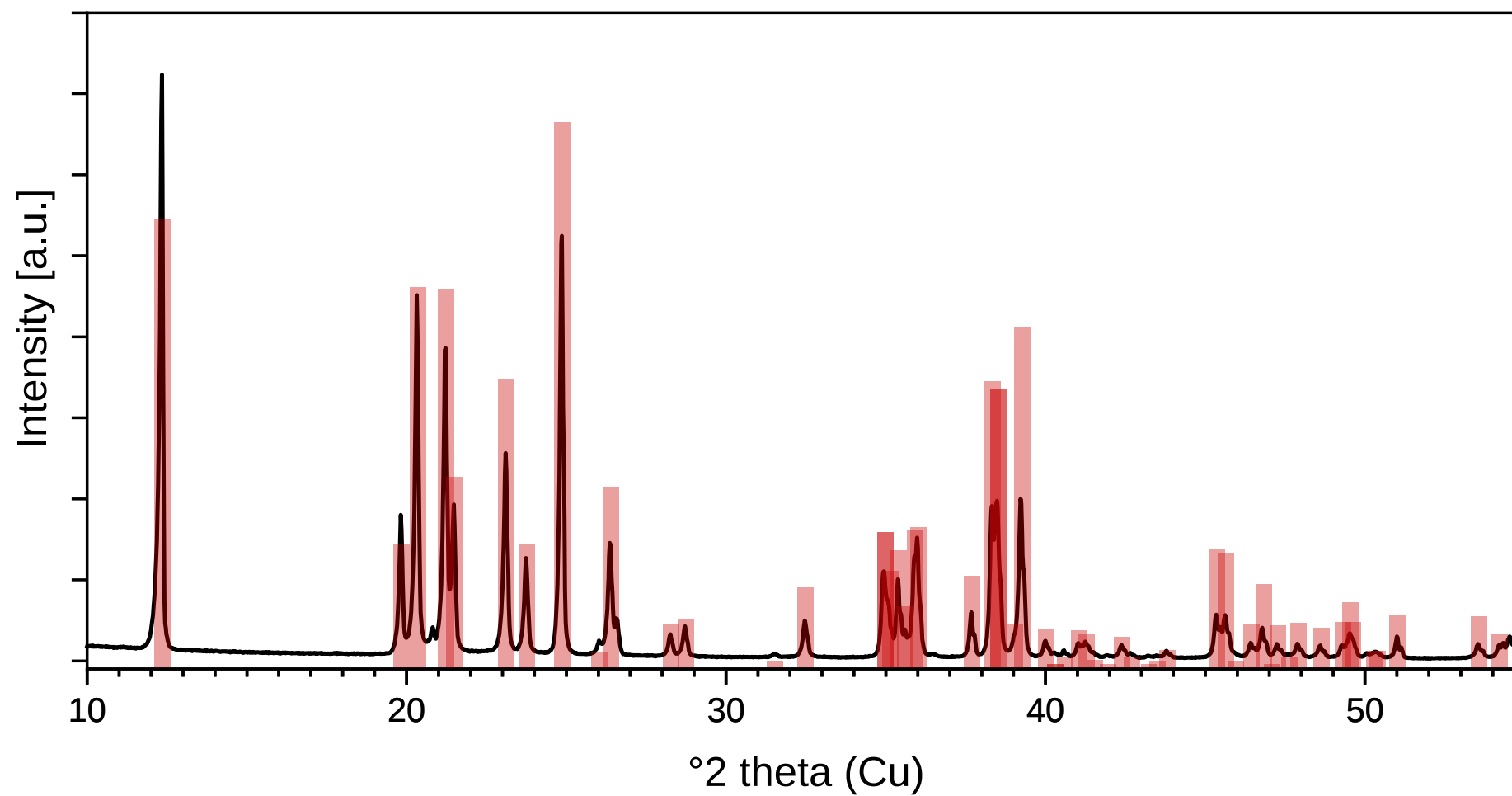


Fig. S2 Diffraction pattern of kaolinite from inside an agate geode of Börtewitz (black lines; background corrected) and the theoretical line positions (red) of kaolinite (PDF 04-013-2815, ICDD)