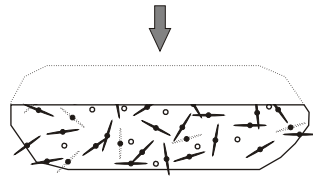
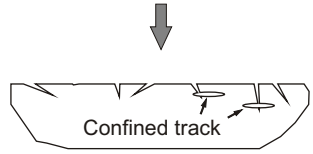


Accumulation of spontaneous tracks



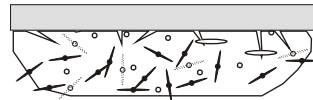
Polished apatite grain



Etched spontaneous tracks
 2π geometry



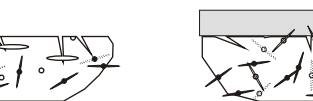
No further preparation needed
 for LA-ICP-MS



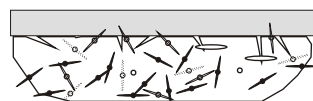
External detector (mica)
 attached to apatite grain



Thermal neutron irradiation



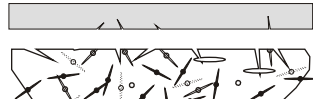
Apatite grain blasted with laser



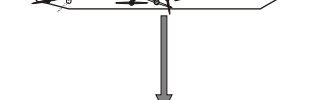
Induced tracks registered
 in external detector



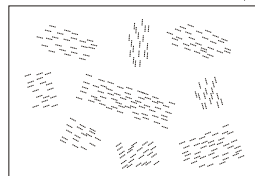
4π geometry



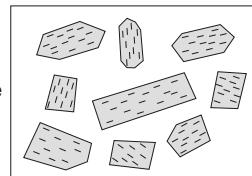
Removed material measured
 with an ICP-MS



Induced tracks on
 the detector etched



Mirror image



Top view of several c-axis parallel grains

External detector (mica) showing induced tracks,
 defining the grain outline

Mount with several apatite grains parallel to
 c-axis with visible spontaneous tracks