Petrophysical Properties of Granite
Intended for Radioactive Waste Stocking

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• Porosity; permeability; thermal conductivity; P-wave velocity
  – 20 samples from outcrops and borehole
  – Magmatic structure; fracturing; alteration
  – Quantities inter-relations

• Ultrasonic testing: P-wave velocity
  – Spherical samples d=5 cm
  – 132 directions
  – Confining pressure 400 MPa

Schlieren-induced anisotropy
Related micropososity...and its closing below depth of cca 270 m

0.1 MPa       10 MPa - 0.1 MPa