

Laboratory models of partial melting

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This presentation described the development and use of partial melting experiments that were started in the summer of 2000 at Memorial University. These experiments aim to help people understand the processes involved when crustal rocks are melted by hot magma coming from deeper within the earth, as well as how crystals in a boundary layer influence melt rates of the wall rock and nature of mixing of the melt

with the warm environment. The experiments have encountered some challenges but have been successful in most respects. Although work is continuing the analysis reported in this presentation should be of use to those people with interest in partial melting and to those who may be planning to carry out similar experiments.