

**Pressure and temperature dependence of dielectric behaviour of
BaTiZrO₃-BaCaTiO₃**

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A high pressure and high temperature facility has been developed in IISER-K for studies of ferroelectric behaviour of ferroic materials. In this talk the novel experimental development of the facility will be discussed in detail. We have carried out a detailed high pressure study of the exceptionally good piezoelectric material, BaTiZrO₃-BaCaTiO₃, at various temperatures and the novel results will be presented and discussed.