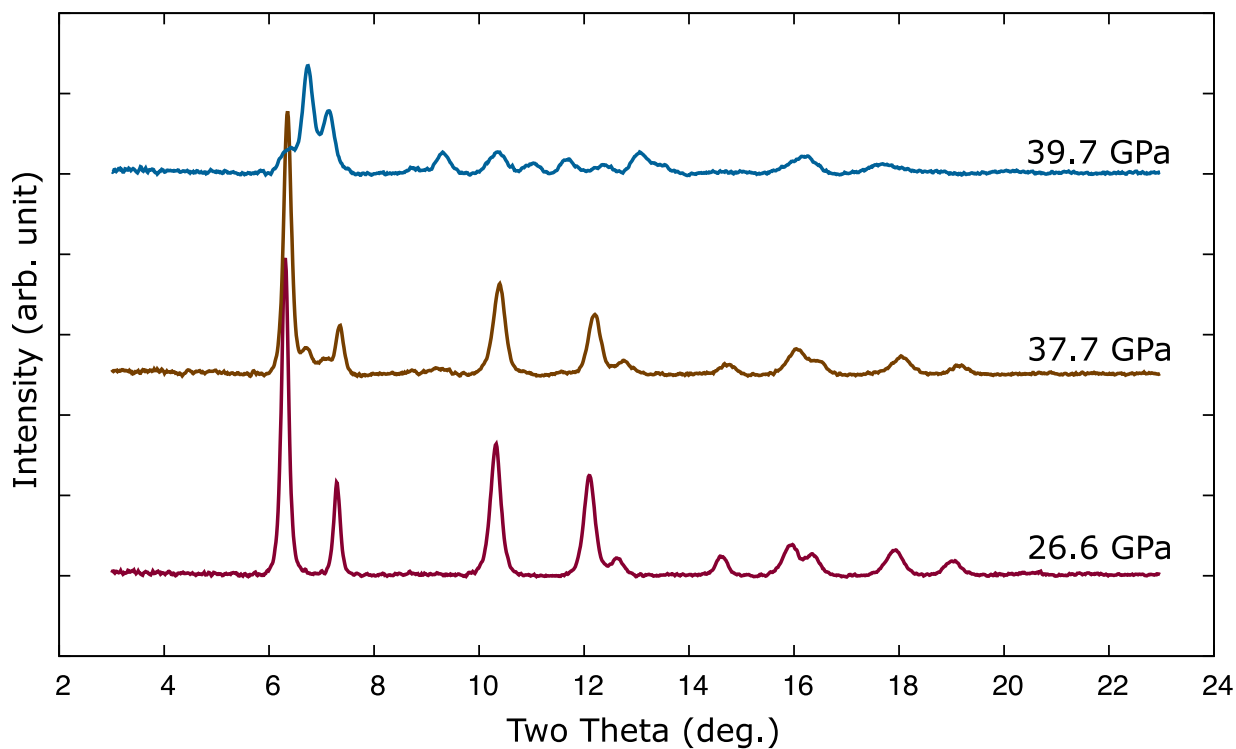


## Supplemental Materials – High Pressure Brillouin Spectroscopy and X-ray Diffraction of Cerium Dioxide



Supplemental Figure 1: Integrated powder x-ray diffraction patterns of cerium dioxide on compression past the Fm-3m to Pnam transition nominally at 31 GPa. Only a little conversion occurs up to 37.7 GPa with some of the low-pressure phase persisting up to the highest pressures.