

Figure 1. Experimental setup of the thermal modulation spectroscopy technique employed to obtain the bandgap energy.

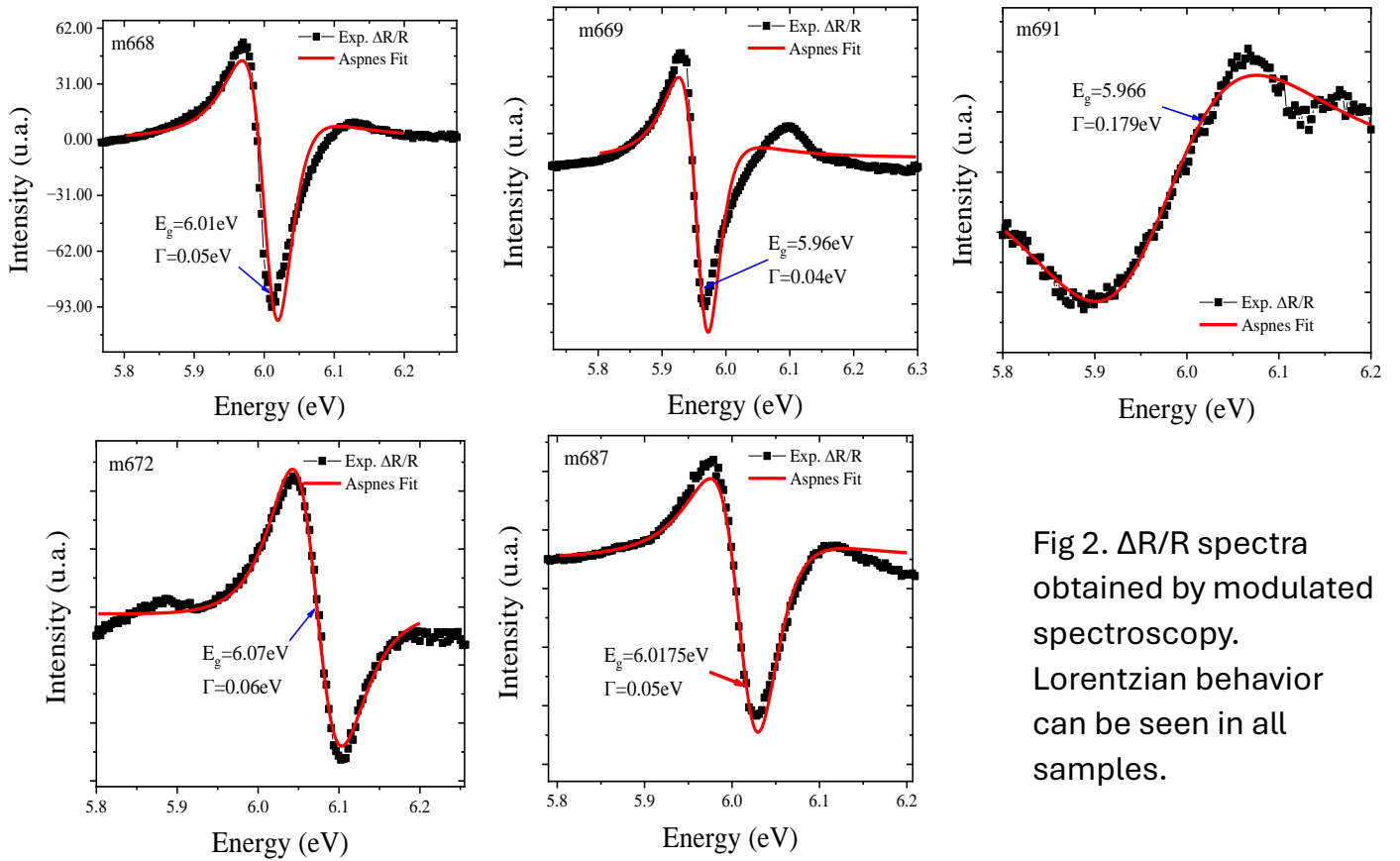


Fig 2. $\Delta R/R$ spectra obtained by modulated spectroscopy. Lorentzian behavior can be seen in all samples.