

Scatter plot showing the relationship between $\log_{10}(L/L_{\odot})$ (Y-axis) and time [MJD] (X-axis) for three filters: r (purple), i (blue), and z (green). The data points are clustered into three main groups, corresponding to the three filters. The Y-axis ranges from 0 to 4, and the X-axis ranges from 5620 to 5750 MJD. The legend indicates that purple dots represent the 'r' filter, blue dots represent the 'i' filter, and green dots represent the 'z' filter.

