

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 10, and the X-axis ranges from 5620 to 5740 MJD. The legend indicates that the purple dots represent the 'r' filter, blue dots represent the 'i' filter, and green dots represent the 'z' filter.

