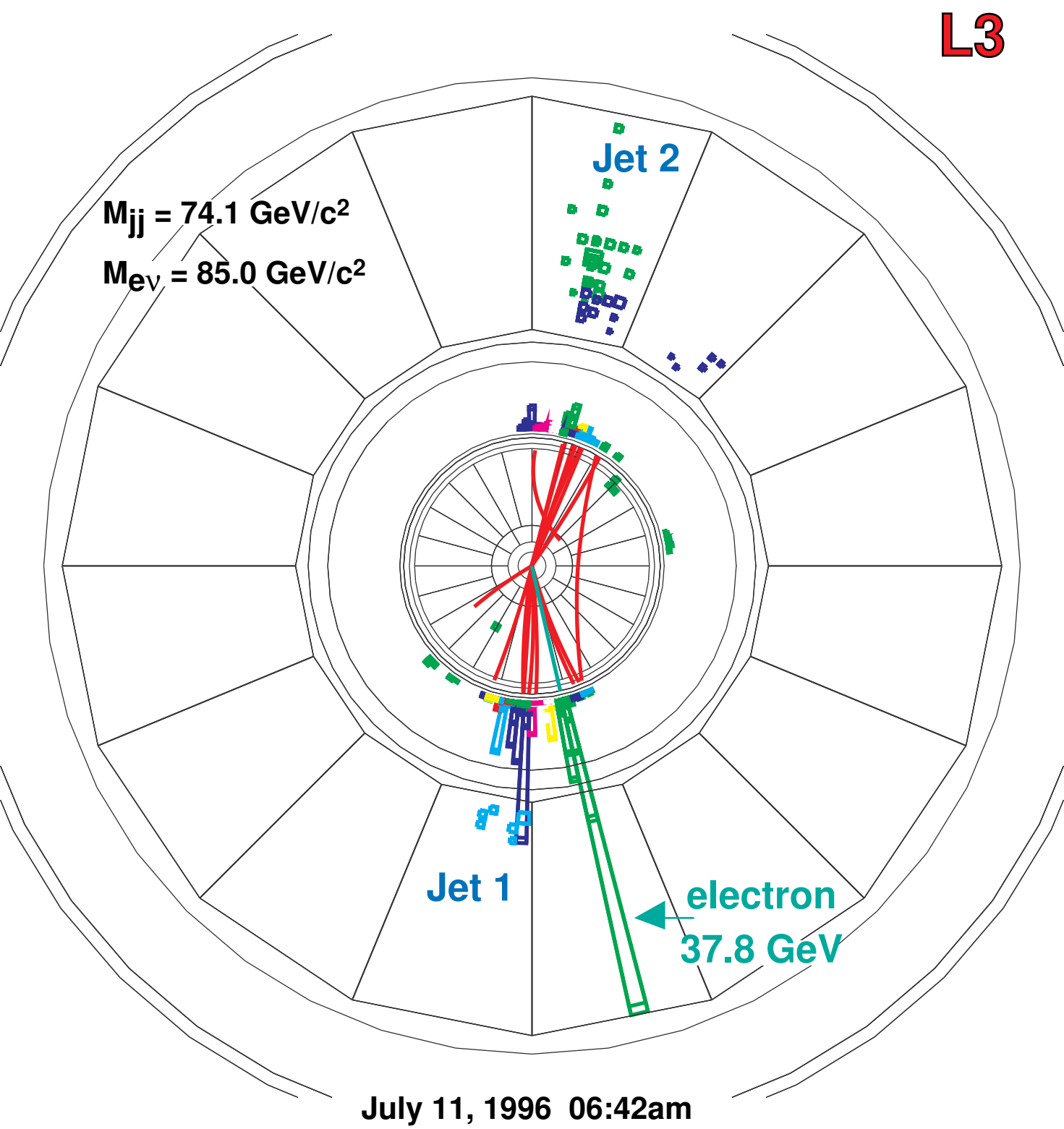

First W pair event observed by the L3 Experiment at LEP 2.

$$e^+ e^- \rightarrow W^+ W^-$$
$$W^- \rightarrow e^- \bar{\nu}$$
$$W^+ \rightarrow \text{jet} + \text{jet}$$

Applying energy and momentum conservation to the event shows that the two jets and the electron-neutrino originate from the decay of two W bosons.