

The Lithium Depletion Age of the TW Hya Association

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The TW Hya Association (TWA) is the youngest of the nearby moving groups. In order to better constrain the age of this benchmark stellar association, we reexamine the Lithium depletion age for TWA. We adopt Lithium equivalent width measurements from the literature along with improved luminosity estimates based on newly available trigonometric distances. We correlate the observed Li depletion in our sample to those of published stellar evolutionary tracks to obtain the Li depletion age for TWA. We compare this Li depletion age to isochronal ages obtained from Hertzsprung-Russell diagram positions. We discuss the implications of an updated age for TWA and its role as the youngest of the nearby moving groups.

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