

IDENTIFICATION OF THE $[9.1] \ ^2\Pi_{3/2} - X \ ^2\Pi_{3/2}$ TRANSITION OF NICKEL CHLORIDE

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The near infrared system of NiCl at $9,100 \text{ cm}^{-1}$ has been recorded and identified as the $[9.1] \ ^2\Pi_{3/2} - X \ ^2\Pi_{3/2}$ transition of NiCl. Molecular constants for the new $[9.1] \ ^2\Pi_{3/2}$ state will be reported. A comparison of the known energy levels for nickel halides will be presented.