

A man with light brown hair, wearing a green button-down shirt, is speaking into a black microphone. The background is dark with vertical lines. The text "periodic table centuries" is overlaid on the image, with "table" highlighted in yellow. A yellow bar is at the bottom center.

periodic **table** centuries

periodic

centuries

1
00:00:04,249 --> 00:00:02,450
know before we conclusively knew atoms

2
00:00:06,110 --> 00:00:04,259
existed we already knew what hydrogen

3
00:00:08,450 --> 00:00:06,120
gas was you know chemists were able to

4
00:00:10,009 --> 00:00:08,460
use it and yet we didn't know that it

5
00:00:11,629 --> 00:00:10,019
was made of these little tiny protons

6
00:00:13,430 --> 00:00:11,639
and electrons it's the same thing with

7
00:00:15,890 --> 00:00:13,440
dark matter the the right analogy is

8
00:00:19,010 --> 00:00:15,900
think of chemists finding elements in

9
00:00:20,750 --> 00:00:19,020
the periodic table centuries ago but

10
00:00:22,910 --> 00:00:20,760
without knowing what's the fundamental

11
00:00:24,349 --> 00:00:22,920
structure so we know dark matter is out

12
00:00:25,970 --> 00:00:24,359
there but we don't know what the

13
00:00:27,830 --> 00:00:25,980

fundamental structure is so that's why

14

00:00:29,750 --> 00:00:27,840

it's not good enough to say we've got

15

00:00:32,030 --> 00:00:29,760

this evidence from our galaxy this other

16

00:00:34,490 --> 00:00:32,040

Galaxy and the universe as a whole it's