

ASTROPHYSICS AND COSMOLOGY : THE HISTORY OF THE UNIVERSE

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Lecture no. 12

**Astrophysics and cosmology and the
(rock)music**

**One of the most famous links between astrophysics,
cosmology and music is the collaboration between
Carl Sagan and Vangelis**

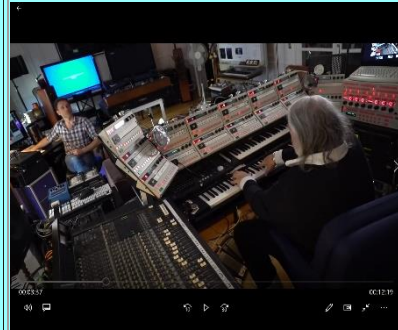
**Carl sagan astrophysicist and
renowned promoter of the science of
cosmology is the author of a famous
television series called Cosmos from
the 60s and 70s and which played a
key role in promoting cosmology
and astrophysics among young
people.**





The music for this series was composed by Vangelis, one of the greatest contemporary composers of electronic music and especially film. which also won him an Oscarul in 1981

Vangelis is rightly considered a space musician. A few years ago he composed an album dedicated to the ESA space mission called Rosetta by which a spacecraft landed on a comet.



Perhaps the most entitled to answer the question about the connection between astrophysics and music is the gentleman below.

Brian May



Became a world celebrity with the rock band Queen in the early 70's in the last century Brian May then gave up his doctoral studies in astrophysics

After the death of Freddy Mercury and practically the dissolution of the group Queen May, he continued his solo music career, although not with the same impact



On the other hand, he returned to Imperial College and [in 2007 received his doctorate in astrophysics](#). Thus Brian May is today one of the most famous astronomers / astrophysicists with dozens of published articles and several books.



The most important research led or initiated by him are in the field of tracking and characterizing meteorites. [asteroids](#) and comets in the solar system.

Together with cosmonaut Domitru Dorin Prunariu Brian May convinced [the UN](#) to introduce the International [Asteroid Day](#)

If in the above case it seems that the only connection between astrophysics and music is the person in question the band below sings even inspired by astrophysics

[Muse](#)

They are an English rock band from Teignmouth, Devon, formed in 1994. The band consists of Matt Bellamy (lead vocals, guitar, keyboards), Chris Wolstenholme (bass guitar, backing vocals) and Dominic Howard (drums).





Black Holes and Revelations (2006) incorporated electronic and pop elements, displayed in singles such as "[Supermassive Black Hole](#)",

[Blue Stones](#) are a Canadian blues rock duo based in Windsor, Ontario.



The Blue Stones 'Black Holes (Solid Ground)' [

[Mannle](#)

[Manele](#) ([singular manea](#), plural manele) or manele music is a musical genre, originating in the ethnic communities of Roma (or Gypsies) in Romania.

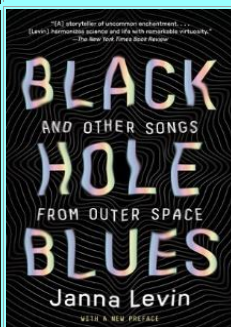
The genre has influences from Aromanian, Greek, Turkish, Arabic and Serbian folk music and from Romanian fiddle music; the genre's ability to incorporate elements from practically all other musical genres accessible to mass culture in Romania is remarkable (pop, rap or hip-hop music, dance music, techno to jazz, rock music or even cult music

Those who produce this music ... were the first in Romania to announce the detection of gravitational waves before any news channel. Below are two such examples



< Iulian Universalu 'feat. Stivăn Quasaru'-
Gravitational waves

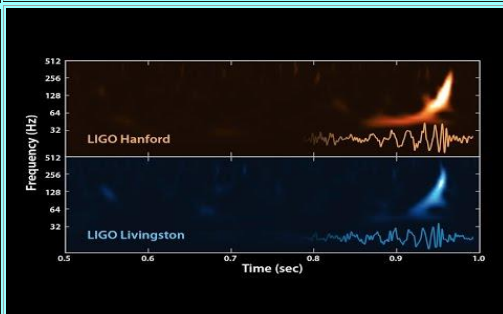
Cosmology. Astrphysics,
Milky Way >



Black Hole Blues and other songs from
Outer Space

by [Janna Levin \(Author\)](#)

[Janna J. Levin](#) (born 1967) is an American theoretical cosmologist and a professor of physics and astronomy at Barnard College.



The title of the book above was inspired by the sound that accompanied the signals detected at LIGO

And now the galactic music
from Timișoara

Blazaj band live ->



And another band I
learned about from my
students

STARSET



Or

**Intergalactic
lovers**



**Carl Sagan - 'A
Glorious Dawn' ft
Stephen Hawking
(Symphony of
Science)**



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