

# Ancient Indian astrophysics and modern astrophysics

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**Abstract:** I want to present some compression between ancient INDIAN mythological books and theory of modern astrophysics. I have studied some theories that have already mentioned many years ago in Vedas and other Indian mythological books. Here I show you some Sanskrit “shlokas” that lead us indirectly towards modern theories like Black hole structure, End of universe and Solar system.

**Keywords:** astrophysics, Indian mythological books.

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## INTRODUCTION

We know some ancient culture have also studied of astrophysics and cosmology. So in this Indian culture approx. 5000 year ago some mythological books also represent our at time advance theories. At time we study of our universe only some few percentage but in past many Indian mythological books show the fully structure of our universe and cosmological system. Like “bhagvat geeta”, “vedas”, “purans” Etc. In this books many advance technology also mention. With help of the this books we solve many question about the our universe and solve some mystery like, “Dark energy”, “End of universe” etc. so in this paper Sanskrit “shlokas” and her translate and they fully meaning. And with her books and “shlokas” number.

Bhagvat geeta (15.6)

न तद् भासयते सूर्ये न शशांको न पावकः।

यद् गत्वा न निवर्तन्ते तद् धाम परमं मम॥

## TRANSLATION

Lord Krishna: “That supreme abode mind is not illumined by the sun or moon, nor by fire or electricity. Those who reach it never return to this material world.”

## PURPORT

In this “shloka” Lord Krishna like a “Black hole” and he say sun or moon not illumined in this, so we know in “Black hole” no any light exit and second thing is he say who reach it never come back, so “black hole” is does not exits any object. So in shlokas fully represent behavior of “Black hole”. So the structure of “Black hole” also mention in this “shloka”

Barhma-samhita(5.52)

यच्चक्षुरेष सविता सकलग्रहाणां

राजा समस्त सुर मूर्तिर् अशेष तेजाः।

यस्याग्नया भ्रमति संभृत काल चक्रो

गोविंदम् आदिपुरुषं तमहं भजामि॥

TRANSLATION

Lord bramha said,” the supreme personality of Godhead, Govinda[Krishna], who is the original person and under whose order the sun, which is the king of all planets, is assuming immense power and heat. The sun represents the eye of the Lord and traverses its orbit in obedience to his order.”

PURPORT

In this “shloka” bramha say “Govinda[Krishna ] the person they cause sun rotate under her. Here once again Govinda[Krishna ] is like a “Black hole” and they we know sun also rotate black hole. So this shlokas say about the our solar system. This theory also given by many year ago in “Brahma-samhita”

Bhagvat geeta(7.6)

एतघोनीनि भूतानि सर्वाणीत्युपधारय।

अहं कृत्स्नस्य जगतः प्रभवः प्रलयस्तथा॥

TRANSLATION

“All created beings have their source in these two natures. Of all that is material and all that spiritual in this world, know for certain that I[Lord] am both the origin and the dissolution.”

PURPORT

This “shloka” meaning is ‘everything that exists is a product of matter and spirit. [1]Spirit is the basic field of creation and matter is created by spirit. Spirit is not created at a certain stage of material development. this material world is manifested only on the basis of spiritual energy’. Here matter consider the “Higgs boson” and spirit consider “Higgs field”. we know higgs field and higgs boson main two element of universe creation. In[1] also say that higgs boson created by higgs field and higgs field is basic field in our universe. In year 2012 LHC(Large Hadron Collider ) experiment prove this fundamental but many year ago without any instrument Indian culture given this theory.

Bhagvat geeta(2.28)

अव्यक्तादीनि भूतानि व्यक्तमध्यानि भारत।

अव्यक्तनिधनान्येव तत्र का परिदेवना॥

TRANSLATION

“All created beings are unmanifest in their beginning, manifest I their interim state, and unmanifest again annihilated. So what need is there for lamentation ?”

PURPORT

This “shloka” represent the “Big bang ” theory and the “End of universe”. Big bang theory say beginning of universe early time universe is unmanifest . and mid age of universe or our present universe is interim and end of universe again unmanifest. we know that the “Big crunch ” theory say the end of universe all light are invisible and become dark universe. At that time we know the “Big bang ” and “Big crunch ” theory say about this. So the “shloka” say about all stages our universe.

Svetasvatara Upanisad(5.9)

बालाग्र शत भागस्य शतधा कल्पितस्य च ।

भागो जिवः स विग्नेयः स चानन्त्याय कल्पेत ॥

TRANSLATION

“ when the upper point of a hair is divided into one hundred parts and again each of such parts is further divided into one hundred parts, each such part is the measurement of the dimension of the spirit soul.”

#### PURPORT

In this “shloka” information about the size of atom. Here soul consider in “Atom”. So upper point of hair size is 17 to 180  $\mu\text{m}$ ( $10^{-6}\text{m}$ ). So we consider 17 $\mu\text{m}$ . we divided in to one hundred parts so he become  $17 \times 10^{-8}$  m. after again we divided one hundred parts. So become is  $17 \times 10^{-10}$  m. so the size is almost match of size of atom. At time we measure size of atom is  $10^{-10}$  m. many year ago the the Indian ancient people measure the atom size without any advance technology.

#### REFERENCES

- [1] Bhagvad gita As it is by bhaktivedant