Dark Matter

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Abstract

Experimental Analysis of Dark Matter is studied from which the age of the universe and also about the Dark Matter and Dark Energy

I. INTRODUCTION

Ordinary matter is a baryonic matter consists of Protons and Neutrons is observed in ordinary stars and planets. In Massive Compact Halo Objects (MACHOs) like Black Holes, Neutron Stars, faint and old White Dwarfs and Brown Dwarfs the matter present is known as Dark matter. Dark Matter cannot observe directly and does not emit or interact with electromagnetic spectrum [1]. The total mass – energy of of the universe consists of 4.9% ordinary matter, 26.8% of Dark Matter and 68.3% of Dark Energy. [2,3,4,5]. Dark Matter in this universe is 84.5% of total mass of the universe, where as Dark Energy and Dark Matter constitute 95.1% of Total mass-energy of the universe [6,7,8,9].

II. DIFFERENT SOUNDS FROM STARS

Sir Arthur Eddington explains that stars produce sounds means different types of stars produces different types of sounds. For example a giant star xi Hydrae produces deeper tone and a tiny white dwarf star GD358 produces higher notes. Travis Metcalfe also supports sound from the stars. He studied interiors of pulsating stars by using a technique known as astero-seismology.

In this universe nuclear fusion takes place in burning stars. The Sun is one of a burning star. Recently NASA recorded twice with the voice of sun as a sound of OM. Sound waves are produced in all the stars. But elastic medium is essential for the propagation of sound. So generally we cannot heard any sound from the stars. The sound from the stars is amplified one to ten lakh times, then only we can observe sounds. Different galaxies produce different types of RAGAS (musical notes). So there is enormous amount of energy present/released in the presence of sound. In MANTRAS (lines of Sanskrit language of words) Pronounced in a particular rhythm has a lot of energy, different MANTRAS and different types of RAGAS gives different types of energies. For example AMRUTHA VARSHINI RAGAM gives Rain and DEEPAK RAGAM firs the light (already proved by Thansein in Akbar ruling).

III. EFFECT OF ELECTROMAGNETIC WAVE ON BRAIN

Dark Matter cannot interact with electromagnetic spectrum. Electromagnetic field theory of consciousness explains that consciousness results when a brain produces an electromagnetic field with specific characteristics. 70% of human brain comprises water. Quantum Brain Dynamics (QBD) theory says that electric dipoles of water molecules constitute quantum field. The QBD theory suggests that the cortical field interacts with the neuronal network and also controls it to a good extent. The MRI machine operators observed that there is a link between magnetic field and consciousness, after exposing of magnetic field patient could loss memory (in some cases several hours).

From the above information we estimate that electromagnetic field and magnetic fields are affected our brain or at least controls our brain. In ASTROLOGY (a science which deals with nine planets and life of a human being) nine planets (which gives electromagnetic field and magnetic fields are also present in our solar system and nearer to us) affects human being brain for that only different people behaves in a different ways, so that the life of any two persons is not same.
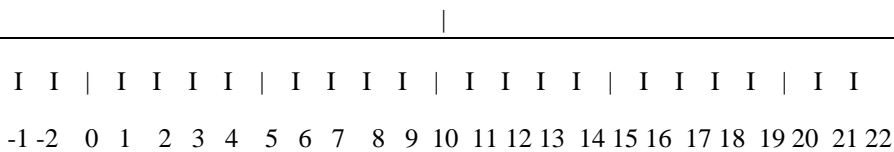
IV. PRACTICAL CALCULATION OF DARK MATTER

Sound generator i.e., cell phone is placed in a tightly fixed box. The mass of box plus cell phone without any sound is taken. After that cell phone is sounded continuously (we are taken songs from films) continuously again placed in tightly fixed box as shown in figure 1.

The following precautions are taken while doing the experiment
1. Box should tightly fixed.
2. After starting the experiment once close the balance doors, we cannot disturbed.
3. Sound waves continuously produced from sound generator.

The common balance is calibrated as follows

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   _____

   I  I  |  I  I  I  I  |  I  I  I  I  |  I  I  I  I  |  I  I  I  I  |  I  I

  -1 -2   0  1   2  3  4   5  6  7   8  9  10 11 12 13  14 15 16 17 18  19 20  21 22
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The readings obtained on common balance are given below

TABLE – 1

Date:3-1-2019   Mass: 446.750g

Time	Resting Points		Mea Resting points		Average of Mean resting points	Remarks
	Left	Right	Left	Right		
12.00PM	19,19,19	4,4	19	4	11.5	without sound
12.00PM	3,3,3	10,10	3	10	6.5	with sound
12.26PM	6,6,6	0,0	6	0	3	"
12.44PM	-1,-1,-1	3,3	-1	3	1	"
1.07PM	0,0,0	ABOVE -2	0	Not Defined	Not Defined	"
1.40PM	Only Left Side		"	"	"	"

TABLE – 2

DATE:3-1-19   Mass: 446.550g

Time	Resting Points		Mea Resting points		Average of Mean resting points	Remarks
	Left	Right	Left	Right		
1.50PM	12,12,12	9,9	12	9	10.5	Without sound
1.54PM	10,10,10	6,6	10	6	8	With sound
2.03PM	12,12,12	2,2	12	2	7	"
2.14PM	9,9,9	2,2	9	2	5.5	"
2.21PM	9,9,9	1,1	9	1	5	"
2.27PM	10,10,10	-1,-1	10	-1	4.5	"
2.35PM	9,9,9	0,0	9	0	4.5	"
2.40PM	9,9,9	0,0	9	0	4.5	"
2.50PM	9,9,9	-2,-2	9	-2	3.5	"
3.03PM	7,7,7	-2,-2	7	-2	2.5	"

3.13PM	6,6,6	-2,-2	6	-2	2	"
3.21PM	6,6,6	-2,-2	6	-2	2	"
3.30PM	5,5,5	-2,-2	5	-2	1.5	"
3.40PM	5,5,5	-2,-2	5	-2	1.5	"
3.50PM	3,3,3	0,0	3	0	1.5	"

TABLE-3

Date: 4-1-2019   Mass: 446.50g

Time	Resting Points		Mea Resting points		Average of Mean resting points	Remarks
	Left	Right	Left	Right		
10.51AM	16,16,16	2,2	16	2	9	Without sound
11.00AM	6,6,6	12,12	6	12	9	With sound
11.11AM	5,5,5	11,11	5	11	8	"
11.20AM	2,2,2	13,13	2	13	7.5	"
11.30AM	1,1,1	14,14	1	14	7.5	"
11.40AM	4,4,4	10,10	4	10	7	"
11.50AM	6,6,6	9,9	6	9	7.5	"
12.00PM	2,2,2	11,11	2	11	6.5	"
12.20PM	3,3,3	9,9	3	9	6	"
12.30PM	4,4,4	8,8	4	8	6	"
12.40PM	4,4,4	9,9	4	9	6.5	"
12.50PM	2,2,2	9,9	2	9	5.5	"
1.10PM	4,4,4	8,8	4	8	6	"
1.25PM	4,4,4	8,8	4	8	6	"
1.40PM	1,1,1	10,10	1	10	5.5	"
2.00PM	3,3,3	9,9	3	9	6	"
2.15PM	2,2,2	9,9	2	9	5.5	"
2.25PM	3,3,3	8,8	3	8	5.5	"
2.45PM	2,2,2	9,9	2	9	5.5	"
3.35PM	4,4,4	6,6	4	6	5	"
3.45PM	3,3,3	7,7	3	7	5	"

Data measured in Common Balance by taking two examples is given by

Example – 1

Left pan: sphere

Time	Resting Points		Mean Resting points		Average of Mean resting points	Remarks
	Left	Right	Left	Right		
0	5,5,5	15,15	5	15	10	ZRP
1 7.570	3,3,3	3,13	3	13	8	LRP
17.560	4,4,4	17,17	4	17	10.5	HRP

Example – 2

Left pan: cylinder

Time	Resting Points		Mean Resting points		Average of Mean resting points	Remarks
	Left	Right	Left	Right		
0	5,5,5	15,15	5	15	10	ZRP
30.350	5,5,5	20,20	5	20	12.5	HRP
30.360	5,5,5	14,14	5	14	9.5	LRP

Examples 1 and 2 explains that for a change of 10 milligrams approximately   average   mean resting value change is 3. But in Table-1, Table-2 and Table-3 we expected that for a continuously sounding the gener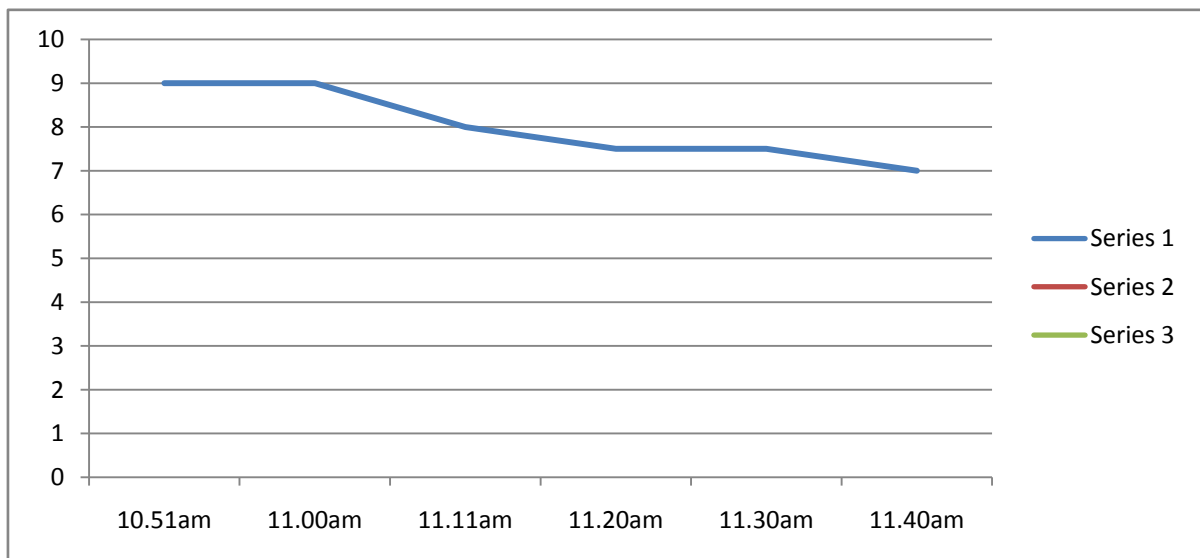ator for nearly six hours or more / less hour average mean resting value changes more than ten milligrams. Characteristics is drawn taking time along x-axis and average mean resting points along y-axis as shown in GRAPH 1, GRAPH 2 and GRAPH 3
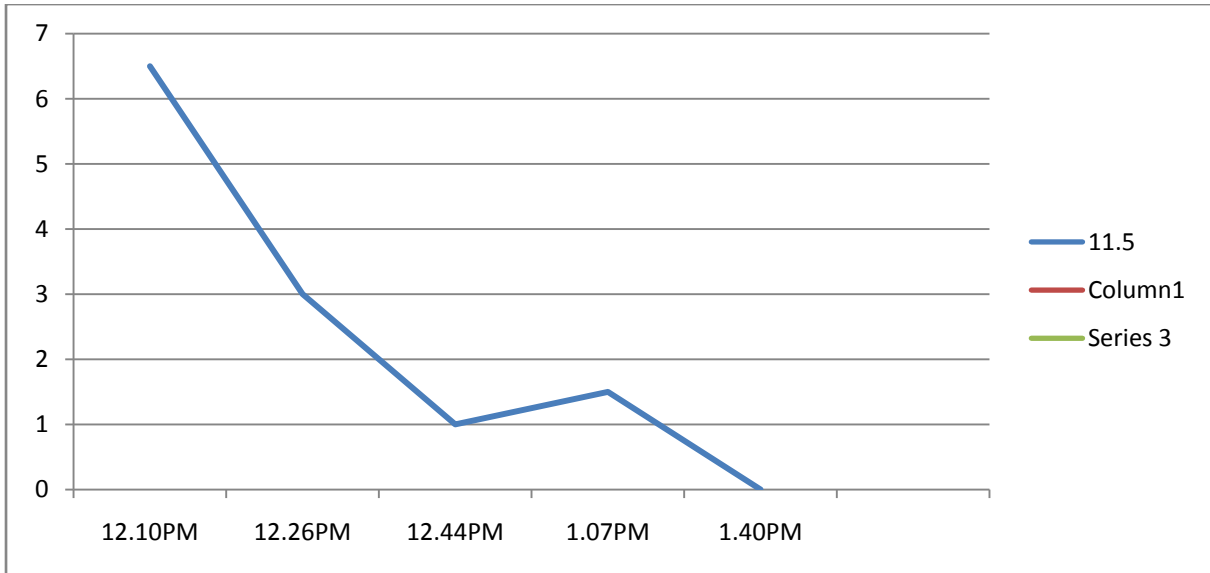
GRAPH 1
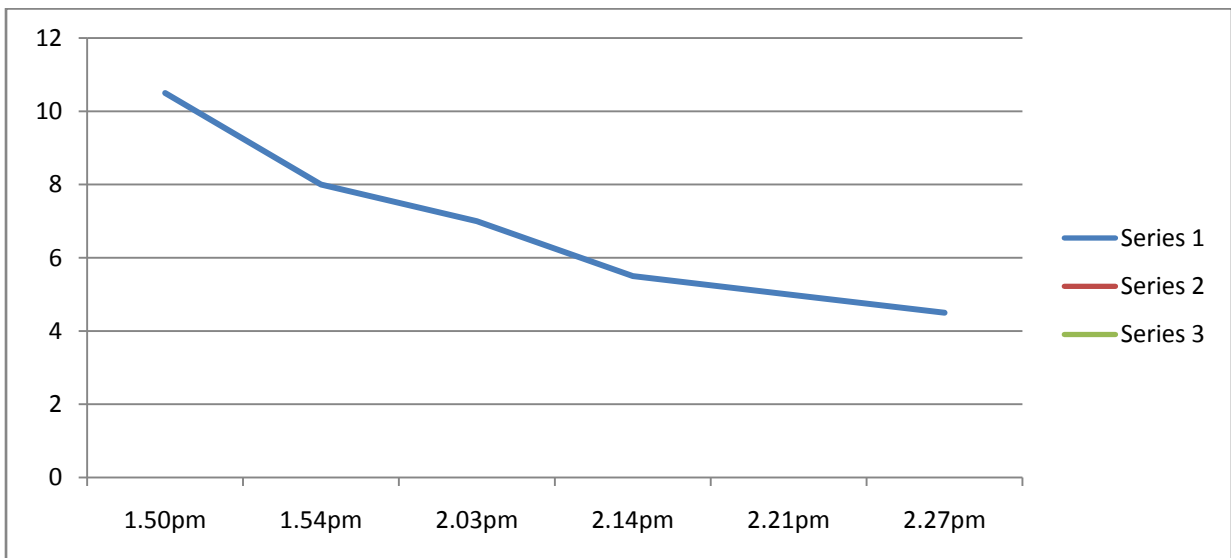
GRAPH 2

GRAPH 3

From GRAPHS 1, 2 and 3 we conclude that time increases average mean resting point decreases. The difference of average mean resting point between HRP and LRP in examples 1 and 2 is roughly three. This change in value in terms of its mass is approximately ten milligrams. Now in our experiment the difference of average mean resting point gives mass greater than ten milligrams. In six hours span of our experiment the average mean resting point differs nearly nine implies that the change in mass is thirty milligrams. As time increases pointer moves towards left means by increasing time mass decreases appears as dark mass and that energy as dark energy. In this universe sound has a special property, because sound travels in an elastic medium only. In this universe so much vacuum is present between any two objects like planet and planet, planet and stars, stars and stars, galaxies and galaxies so on, so we cannot observe any sound..

V. CONCLUSION

At the time of Big Bang giant explosion takes place thick denser mass splits up into pieces forms different Galaxies, Stars, Planets, comets etc. By that time the sound produced first is "AUM" because thousands of multiples of SUN's are formed at that time and then followed by light. At that time the age of the universe is zero, total mass present in our universe is 100% and total energy is 100%. Time increases after Big Bang according to our experimental results mass decreases slowly because sound producing continuously in the universe from Galaxies Stars etc. The decrease in mass means unidentified mass appears as dark matter and unidentified energy as dark energy. Like that 13.82 billion years passes away. Now at present the appearing mass is 15.5% and dark matter is 84.5%. In a similar way dark matter and dark energy having 95.1% of total mass – energy system i.e., now we can notice only 4.9% mass – energy only. Like this total expansion of this universe takes place, because the universe is in expanding state. According to Newton's third law of motion for every action there is an equal but opposite reaction. After completion of expansion of the universe contraction starts i.e., size of the universe decreases proportionately just like expansion of the universe the mass and energy are again appears and finally thick denser matter results.

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