

Searching for gravitational waves

Gravitational waves are ripples in spacetime produced by the most violent events in the Universe: exploding stars, colliding black holes, even the Big Bang itself! Astronomers are searching for these spacetime ripples with **LIGO**: a revolutionary new kind of observatory.

Advanced LIGO

Albert Einstein

Beam splitter

Big Bang

Black hole

Burst source

Compact binary

Gamma ray burster

GEO

Gravitational wave

Inspiral

Interference fringes

Interferometer

Isaac Newton

LASER

LIGO Hanford

LIGO Livingston

Magnetar

Mirror

Merger

Neutron star

Noise

Pulsar

Relativity

Spacetime

Speed of light

Supernova

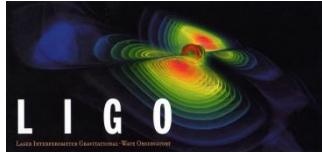
Suspension

Vacuum system

VIRGO

Can you find these gravitational wave terms and phrases hidden in our LIGO word search?

S	A	R	B	E	N	O	I	S	N	E	P	S	U	S	G	O	E	M
R	C	M	E	T	S	Y	S	M	U	U	C	A	V	E	A	X	T	I
N	O	T	S	G	N	I	V	I	L	O	G	I	L	O	W	S	B	N
O	M	O	A	V	R	J	O	S	P	A	C	E	T	I	M	E	L	T
T	P	R	C	O	N	E	A	N	U	L	S	A	R	N	A	V	O	E
W	A	R	T	R	I	R	M	L	E	M	Z	R	V	U	R	A	C	R
E	C	I	B	G	E	S	X	A	R	U	O	I	A	D	A	W	K	F
N	T	M	L	O	T	U	H	R	A	R	T	S	T	R	Y	L	H	E
C	B	E	A	M	S	P	L	I	T	T	E	R	U	O	B	A	A	R
A	I	C	C	B	N	E	O	P	E	H	Q	E	O	F	U	N	L	E
A	N	R	K	G	I	R	S	S	N	G	O	G	O	N	R	O	E	N
S	A	U	H	B	E	N	E	N	A	I	I	R	I	A	S	I	R	C
I	R	O	O	A	T	O	R	I	M	L	G	O	T	H	T	E	E	E
N	Y	S	L	N	R	V	E	O	D	F	N	M	A	O	E	A	A	F
O	L	T	E	G	E	A	U	E	B	O	F	A	T	G	R	T	T	R
I	G	S	F	O	B	D	C	J	I	D	H	H	E	I	S	I	A	I
S	I	R	A	L	L	N	L	S	C	E	W	T	V	L	E	V	V	N
Y	O	U	I	O	A	E	R	A	T	E	N	G	A	M	F	A	I	G
L	M	B	S	V	R	S	A	L	U	P	V	I	R	C	O	R	T	E
E	U	R	D	T	H	I	E	R	A	S	L	L	G	A	K	G	L	S
G	N	A	B	G	I	B	O	R	E	L	A	T	I	V	I	T	Y	A
O	G	E	I	N	T	E	R	F	E	R	O	M	E	T	E	R	T	L



To find out more about LIGO and gravitational waves, visit our website at <http://www.ligo.org/>

