**ACROSS**

3 Rapidly spinning ultra-dense and magnetized neutron star that emit beams of light
4 Cascade of particles produced as a consequence of the interaction of a gamma ray with the Earth’s atmosphere
5 Energetic particles coming from space composed in 99% of protons and helium nuclei
6 Sudden increase in a source’s emission
7 The observatory for ground-based gamma-ray astronomy at very high energies between 20 GeV and 300 TeV
8 Unit of energy typically used in gamma-ray astronomy
9 Another word of Universe
10 The densest object in the Universe from which nothing can escape, not even light
11 Type of Active Galactic Nuclei whose relativistic jets are not pointing toward Earth
12 Unknown type of matter that makes up 85% of our Universe and is one of CTA’s main science projects
13 The observatory for ground-based gamma-ray astronomy at very high energies between 20 GeV and 300 TeV
14 Unit of length typically used in astronomy
15 The observatory for ground-based gamma-ray astronomy at very high energies between 20 GeV and 300 TeV
16 Term used to define the CTA site located in the southern hemisphere, located in the Atacama Desert (Chile)
17 Term used to define the CTA site located in the northern hemisphere, located on La Palma (Canary Islands, Spain)
18 Type of Active Galactic Nuclei whose relativistic jets are not pointing toward Earth
19 Term used to define the CTA site located in the southern hemisphere, located in the Atacama Desert (Chile)

**DOWN**

1 Name of the rapid, bluish light captured by CTA telescopes to obtain indirect information about gamma rays
2 In astronomy, certain part of the sky or image that has special relevance and to which scientists want to pay special attention
3 Physical process in which a charged particle emits electromagnetic radiation under the presence of magnetic fields
4 Binary system composed of a normal star and a compact object that emits relativist jets at certain states
5 The type of CTA telescope that will be responsible for its lowest sensitivity between 20 and 150 GeV
6 Term used to define the CTA site located in the northern hemisphere, located on La Palma (Canary Islands, Spain)
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