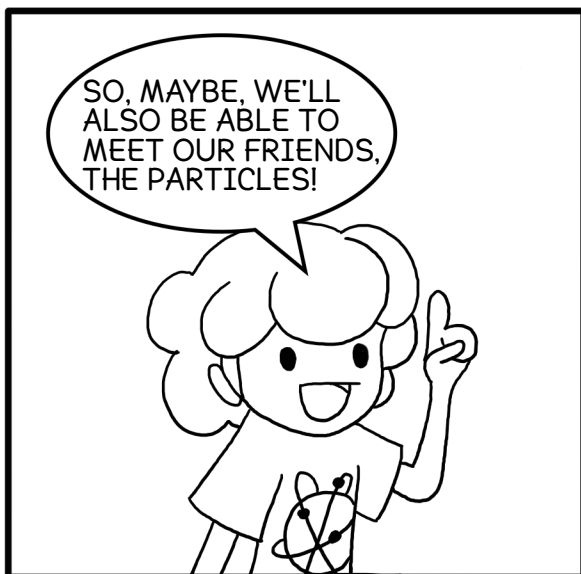
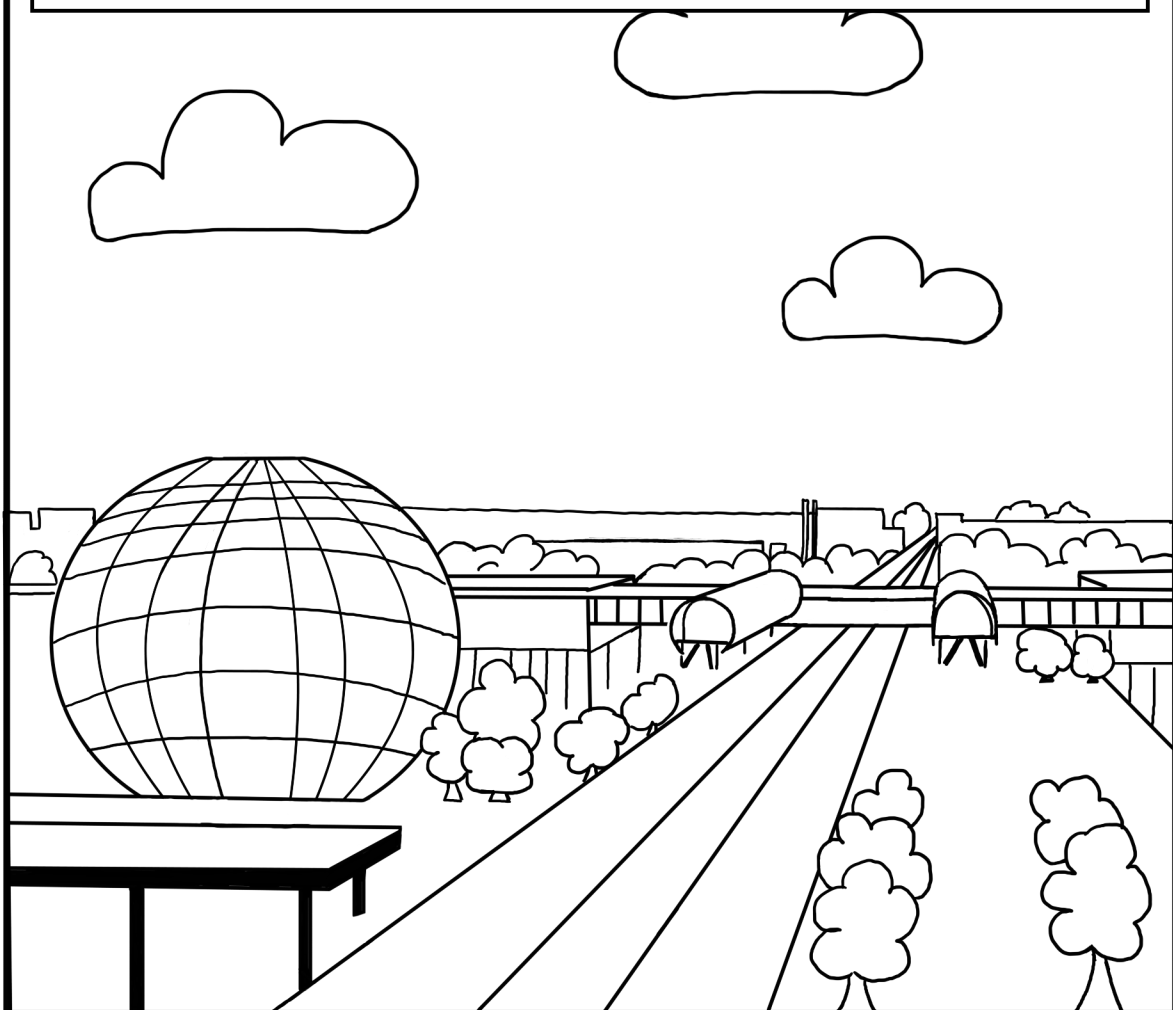


LEO, ALICE AND THE MISSING PARTICLES

EPISODIO 1



LEO AND ALICE ARE ON A NEW TRIP.
THIS TIME, THEY HAVE JUST ARRIVED IN ONE OF THE LARGEST PHYSICS
LABORATORIES IN THE WORLD.




WAIT ALICE...
DID YOU MENTION
PHYSICISTS?




YEP! THEY'RE
SCIENTISTS STUDYING
MATTER AND WHY
NATURAL PHENOMENA
OCCUR.



BUT... WHERE DID LEO AND ALICE GET TO?
 SOLVE THE ANAGRAMS AND WRITE DOWN THE LETTERS APPEARING IN THE COLOURED BOXES BELOW: YOU WILL FIND THE NAME OF THE LABORATORY WHERE OUR FRIENDS ARE.
 (YOU CAN HELP YOURSELF WITH THE SMALL DRAWINGS AND BY ALSO LOOKING AT THE OLD ADVENTURES OF LEO AND ALICE)




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NOL CERET




DE AI




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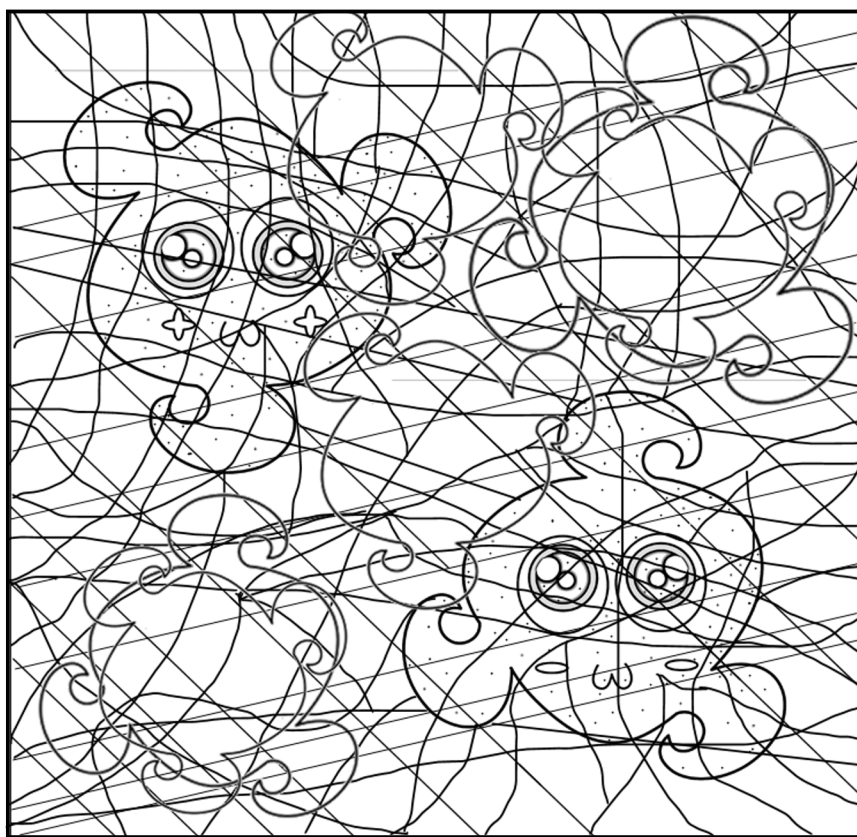
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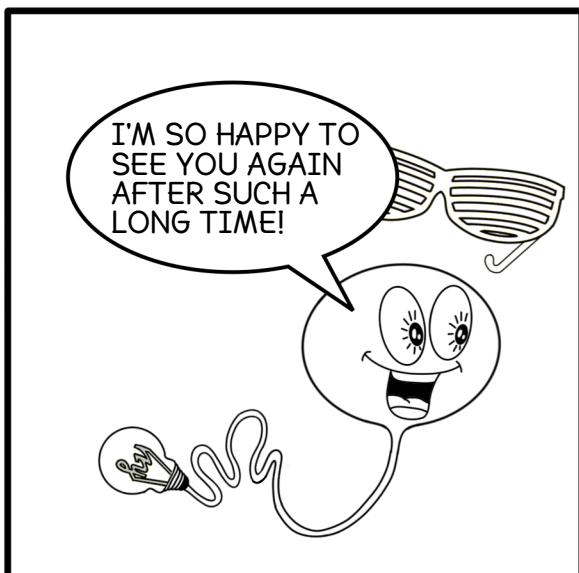
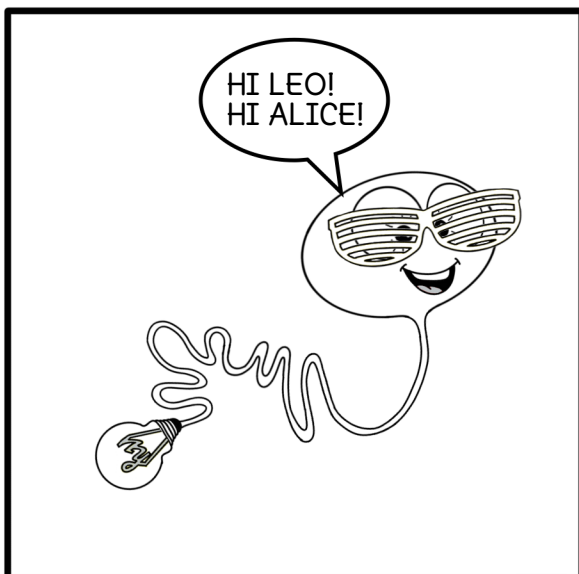
CERN IS IN GENEVA, AN IMPORTANT CITY IN SWITZERLAND.
AT CERN, MANY PEOPLE COMING FROM ALL OVER THE WORLD WORK
TOGETHER. THEY STUDY THE SMALLEST FUNDAMENTAL BUILDING BLOCKS OF
MATTER AND HOW THEY INTERACT WITH EACH OTHER, TO UNCOVER THE
SECRETS OF THE UNIVERSE.

IT WAS AT CERN THAT SOME OF THE PARTICLES LEO AND ALICE MET IN THEIR
ADVENTURES WERE DISCOVERED.
WHICH ONES? TO FIND THAT, COLOUR THE SPACES WHERE SMALL DOTS ARE
PRESENT IN THE SCHEME BELOW.



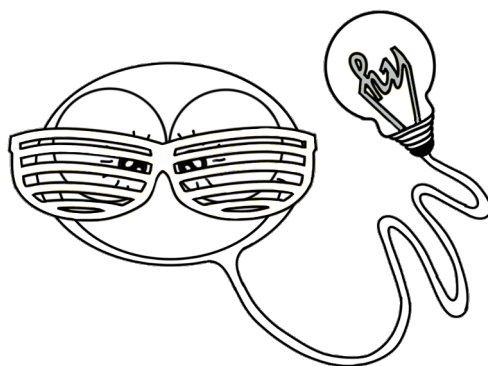
DO YOU RECOGNISE THEM? THEY ARE RESPONSIBLE FOR A POSSIBLE
INTERACTION BETWEEN THE BUILDING BLOCKS OF MATTER AND IN FACT
THEY ARE IDENTIFIED AS BELONGING TO THE SO-CALLED FORCE-CARRYING
PARTICLES.

(LEO AND ALICE HAVE ALREADY MET THEM IN "UNA SPEDIZIONE VULCANICA")

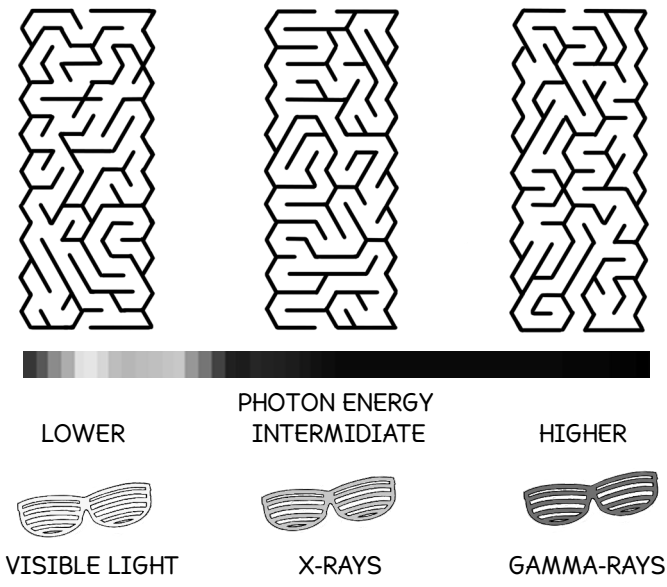


PHOTON IS ONE OF THE PARTICLES OF THE SO-CALLED STANDARD MODEL. IT BELONGS TO THE FAMILY OF THE FORCE CARRIERS, JUST AS W^+ AND W^- , THE PARTICLES WE DISCOVERED IN THE PREVIOUS GAME. IN OUR DAILY LIFE, WE CAN ASSOCIATE IT TO LIGHT, SUCH AS THAT OF SUN, OR OF A LIGHT BULB, OR EVEN THAT OF THE FLASHES OF THE CELL PHONES.

(LEO AND ALICE HAVE ALREADY MET PHOTON IN TWO OLD ADVENTURES: "UNA FOTONICA AVVENTURA" AND "LEO, ALICE E L'IMPREVISTO A RAGGI X")



NOT ONLY VISIBLE LIGHT... PHOTONS CAN BE ALSO PRESENT AS OTHER - LET'S SAY - SHAPES, SUCH AS FOR EXAMPLE...
OUR FRIEND PHOTON IS A LITTLE BIT UNCERTAIN: IT LOST ITS SPECIAL GLASSES AND IT DOES NOT KNOW WHICH ARE TO GET... WOULD YOU LIKE TO HELP IT FOLLOWING THE MAZES?



VISIBLE LIGHTS, X-RAYS AND GAMMA-RAYS ARE PHOTONS CHARACTERISED BY DIFFERENT ENERGIES. OUR EYES ARE SENSITIVE TO ONLY VISIBLE LIGHT, BUT X AND GAMMA RAYS CAN BE VERY USEFUL AS WELL. IN OUR WORLD, THERE ARE ALSO OTHER PHOTONS WITH... EVEN MORE DIVERSE ENERGIES!

SURE!

YEP!

WOULD YOU LIKE TO COME WITH ME TO EXPLORE CERN?

PHOTON IS READY TO LOOK AFTER LEO E ALICE IN THEIR NEW ADVENTURE. ARE WE GOING WITH THEM?
... TO BE CONTINUED...