

# We are "Big Bang Legends"

Rolf Landua CERN



A fun & science collaboration



# Disclaimers

Games cannot replace school education Games do not prepare for assessment Games must not be boring



# Children are curious



What is everything made of?

Where does everything come from?

We know the answers. Why wait until they are 18 years old\*?

\*or never, if they leave science courses before?



Big Bang Legends





#### Learning to use the language of science is fundamental to learning science







Quark
Particle
Antimatter

Proton Neutron

Atom

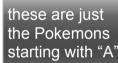
Electron

Star Black Hole Supernova



#### Instead of learning the names of 802 Pokemons ...





Axew

Azelf

Azumarill

Azurill

Dragon

**Psychic** 

Water Fairy



### ...why not find out about a few particles and 118 elements?

What is everything made of?

Proton

Elements

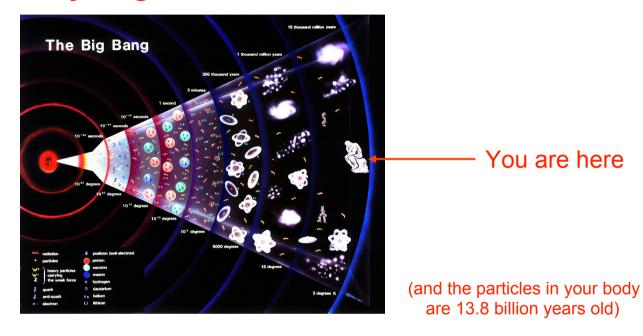
Be



Rolf Landua "Big Bang legends" - CERN roadshow in Finland - 6 April 2017

He

# Where does everything come from?



The Universe is a (very) big, self-assembling game (Lego-type)



# From protons and neutrons to Uranium (and beyond)

.... the game tells a story ...

