

First level - Where does matter come from?

n°1 Introduction

The investigation begins on Earth...

- n°2 Volcanic rocks
- n°3 Sedimentary rocks
- n°4 Methods for dating rocks
- n°5 What do meteorites tell us?

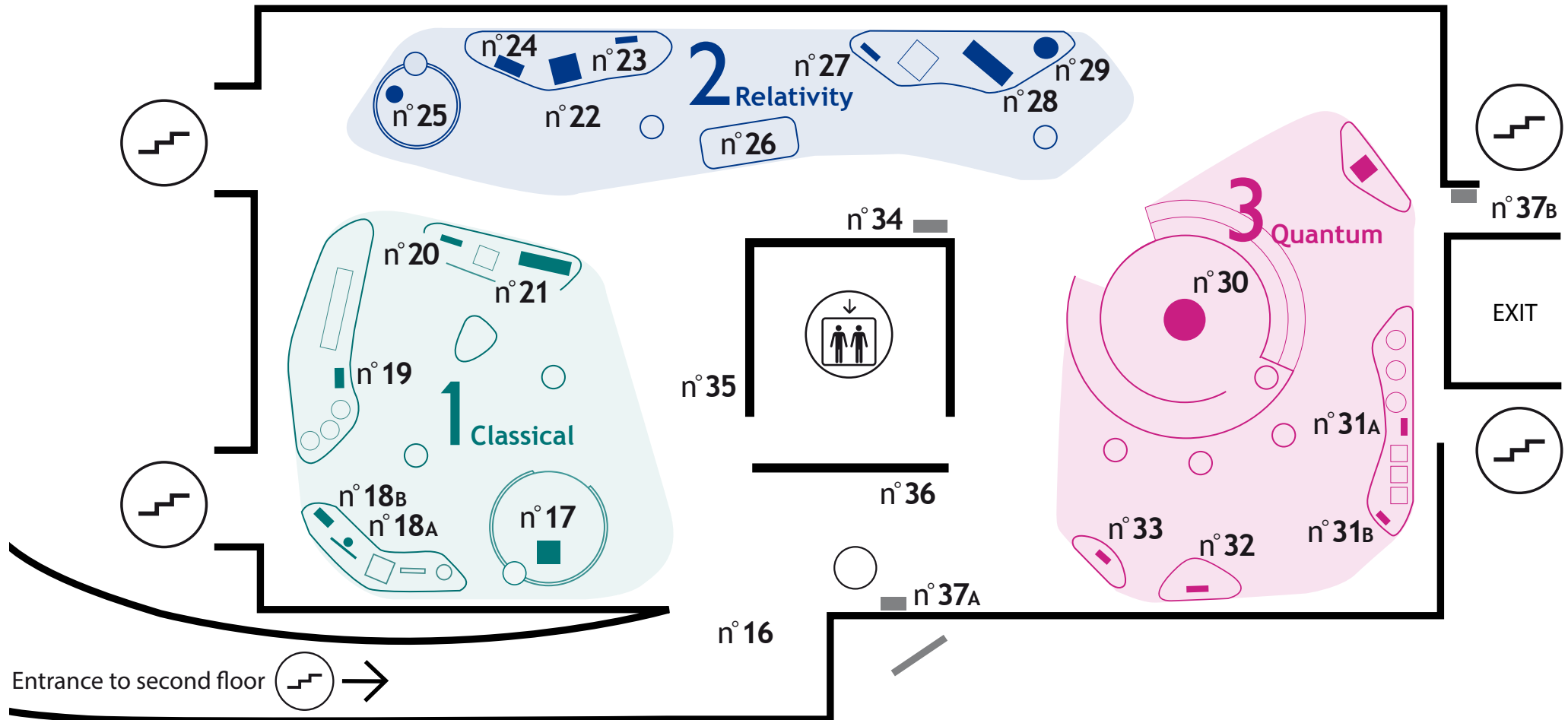
The investigation continues in space...

- n°6 Stars: appearances can be deceiving
- n°7 The art of star arranging
- n°8A Starlight; 8B Light from matter; 8C Star matter
- n°9 Infrared light
- n°10A Runaway galaxies; 10B One effect
- n°11 Watch out for excessive speeding
- n°12 Beyond the galaxies?

What if the answer were in the vacuum?

- n°13 The vacuum: appearances can be deceiving
- n°14 What if the answer were in the vacuum?

n°15 Summary: Matter is born



Second level - What physical laws for the Universe?

n° 16 Presentation of the second level

Classical physics

- n° 17 Introduction - Your body is matter
- n° 18A Measuring the metre;
- 18B Time is absolute
- n° 19 Points of view on movement
- n° 20 Newton and gravity
- n° 21 Younger in a mirror

Relativistic physics

- n° 22 Introduction - The speed of light
- n° 23 The time of muons
- n° 24 Electromagnetism in question
- n° 25 Your body is energy
- n° 26 Falling bodies
- n° 27 Einstein and gravity
- n° 28 Gravity mirages
- n° 29 Relativistic effects in everyday life

Quantum physics

- n° 30 Introduction - Your body is full of "empty spaces"
- n° 31A Rutherford's experiment;
- 31B Inside the atom
- n° 32 A strange quantum world
- n° 33 Matter and antimatter

- n° 34 Universe, particles and experiments
- n° 35 One word, different ideas?
- n° 36 Cosmogonies, cosmology?

Epilogue

- n° 37A The Course of Things;
- 37B Northwest Area (Felice Varini)