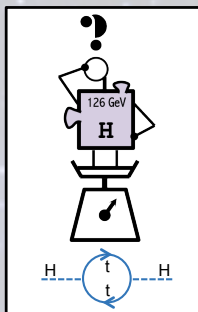
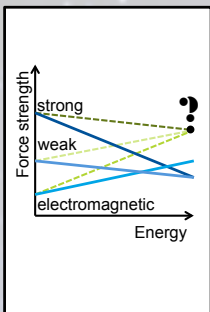


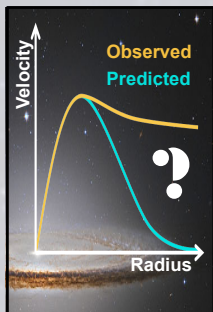
The hunt for SuperSymmetry with the LHC ATLAS



Mass hierarchy



Unification of forces



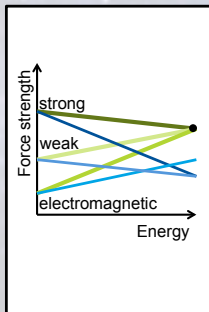
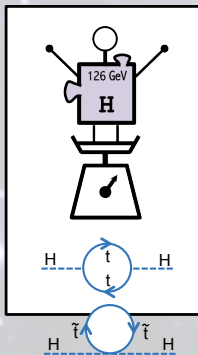
Cosmological observations

The open questions of modern physics...

2.4 MeV	1.3 GeV	170 GeV	0
u	c	t	Υ
4.8 MeV	104 MeV	4.2 GeV	0
d	s	b	g
<2 eV	<2 eV	<2 eV	91 GeV
ν_e	ν_μ	ν_τ	Z
0.5 MeV	16 MeV	1.8 GeV	80 GeV
e	μ	τ	W
			126 GeV
			H

\tilde{u}	\tilde{c}	\tilde{t}	$\tilde{\Upsilon}$
\tilde{d}	\tilde{s}	\tilde{b}	\tilde{g}
$\tilde{\nu}_e$	$\tilde{\nu}_\mu$	$\tilde{\nu}_\tau$	\tilde{Z}
\tilde{e}	$\tilde{\mu}$	$\tilde{\tau}$	\tilde{W}
			\tilde{H}

...are answered at once within SuperSymmetry!



Dark Matter
Lightest SuperSymmetric Particle (LSP)

UNIVERSITÉ DE GENÈVE
FACULTÉ DES SCIENCES
Département de physique nucléaire et corpusculaire
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SuperSymmetry remains elusive so far...

A unique chance for a unique discovery!

