

FERMIONEN

Materiebausteine
Spin = 1/2, 3/2, 5/2, ...

Leptonen, Spin = 1/2		
Flavor	Masse [GeV/c ²]	Elektrische Ladung [e]
ν_e Elektron-Neutrino	$< 7 \times 10^{-9}$	0
e Elektron	0.000511	-1
ν_μ Myon-Neutrino	< 0.0002	0
μ Myon	0.016	-1
ν_τ Tau-Neutrino	< 0.03	0
τ Tau	1.7771	-1

Quarks, Spin = 1/2		
Flavor	ungefähre Masse [GeV/c ²]	Elektrische Ladung [e]
u up	0.005	2/3
d down	0.01	-1/3
c charm	1.5	2/3
s strange	0.2	-1/3
t top	173	2/3
b bottom	4.7	-1/3