



# HIGH ENERGY PHYSICS COLLOQUIA

28 febbraio 2018 · ore 14:30 · aula C

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*$F := ma$ ?* No.  *$F - ma = 0$ ?* YES!

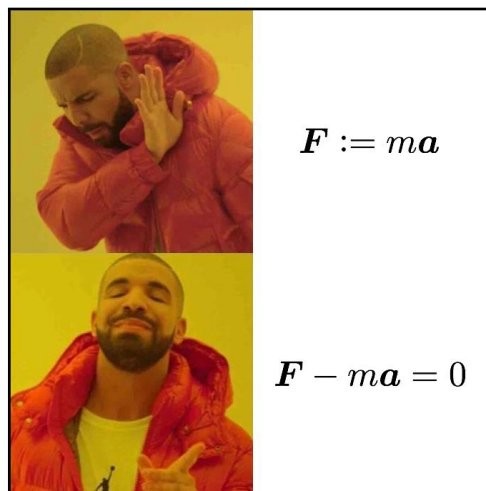
## Abstract

Physics students are often exposed to two myths:

1.  $F = ma$  is a “definition” of force,
2. inertial forces are “fictitious” or “apparent”.

In this talk we will discuss why both statements are false, and how their falsity contains beautiful connections between general relativity and Newtonian mechanics, which should be called “Newtonian relativity”.

Among the protagonists of the talk: a paper by Jacob Bernoulli from 1703 and the Lense-Thirring effect.



## Contatti:

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