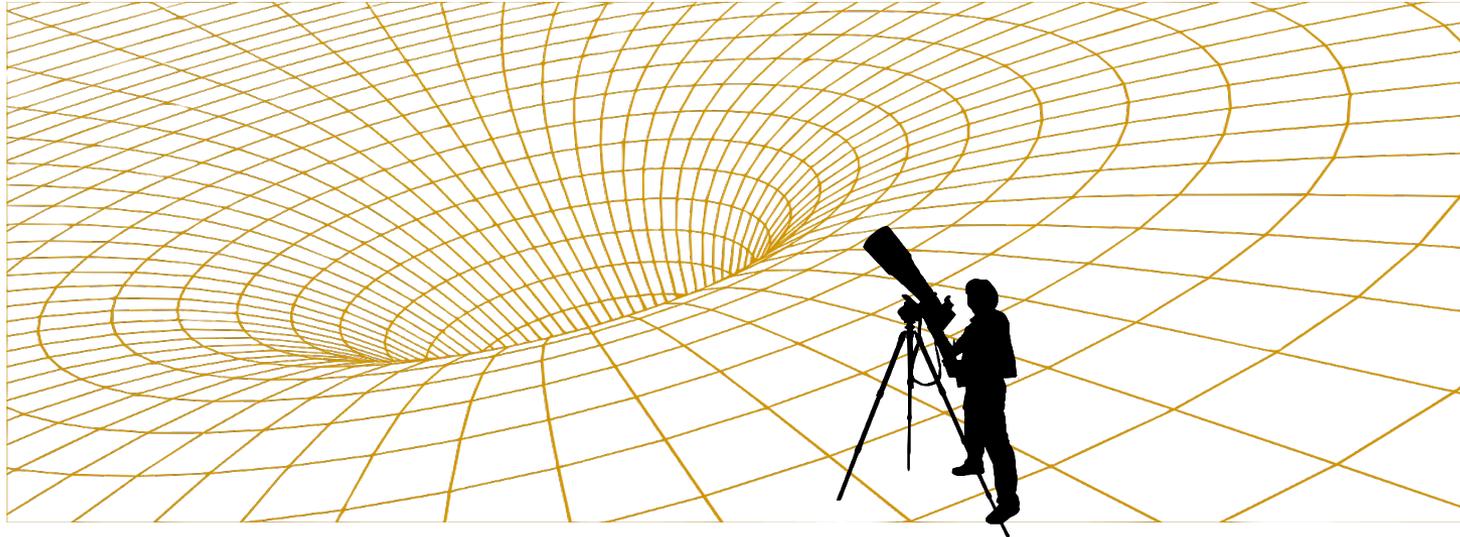


Ricercatore per un giorno: un esempio di masterclass in Astrofisica



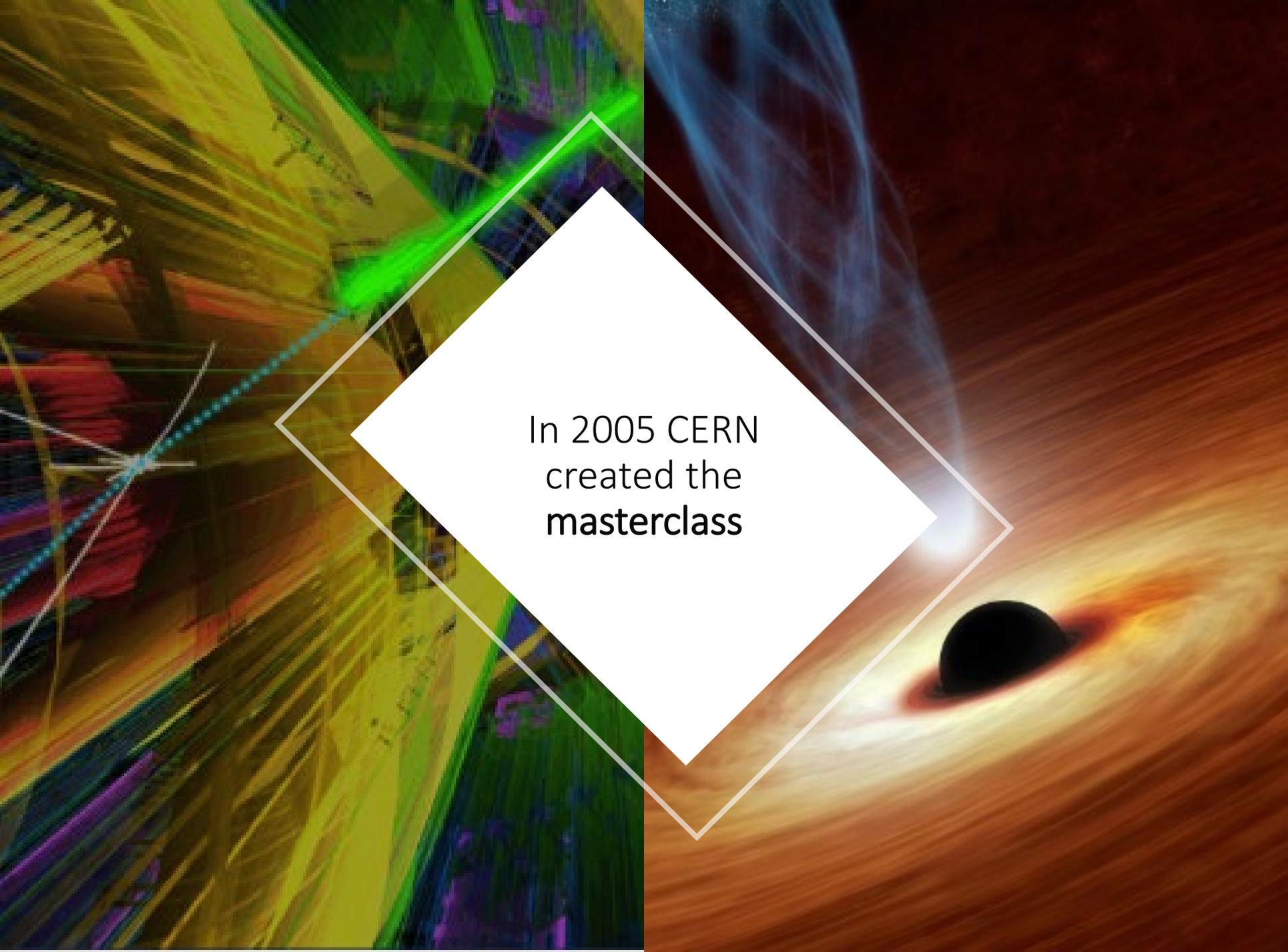
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²*INFN Sezione di Roma Tre (ITALY)*

Per incoraggiare le carriere STEM





In 2005 CERN
created the
masterclass



UNIVERSITÀ DEGLI STUDI "ROMA TRE"

DIPARTIMENTO DI MATEMATICA E FISICA
Scuola dottorale in Matematica e Fisica - XXIX Ciclo
Tesi di Dottorato in Fisica

The role of AGN in galaxy evolution

A thesis submitted for the degree of

Doctor of Philosophy

Author: Dr. Federica Ricci
Supervisor: Prof. Fabio La Franca
Co-supervisors: Dr. Francesco Shankar, Dr. Francesco Massaro
Thesis coordinator: Prof. Roberto Raimondi

A. A. 2014 - 2016

2008

JANUARY	FEBRUARY	MARCH	APRIL
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
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SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
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570



30-40 (con
punte di 80)
all'anno



I partecipanti
diventano
scienziati
per un
giorno!

Focalizzazione del problema scientifico

Analisi dei dati reali

Raggiungimento dei risultati

Mattina

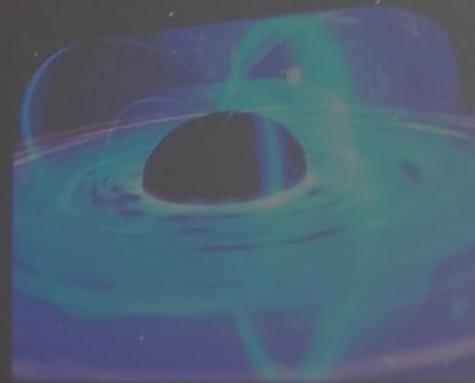
A dimly lit classroom with students seated at long tables, a lecturer at a blackboard, and a presentation screen. The room has a grid ceiling with recessed lights and a window on the right wall. The overall atmosphere is quiet and focused.



nella pausa

Mattina

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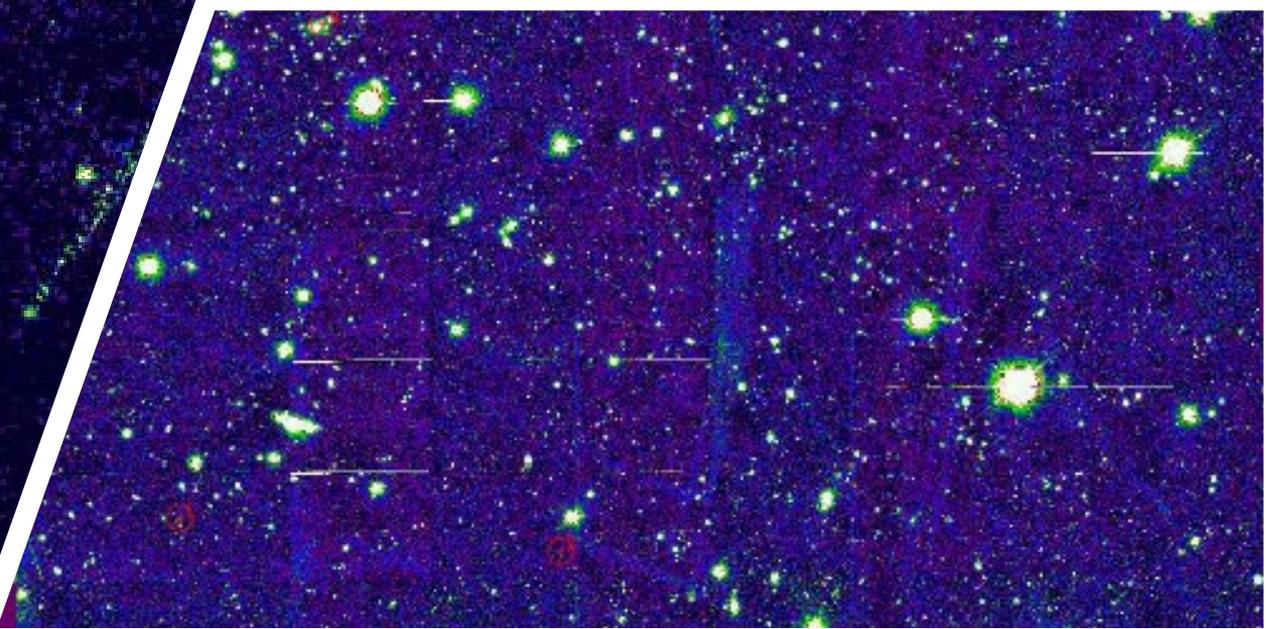
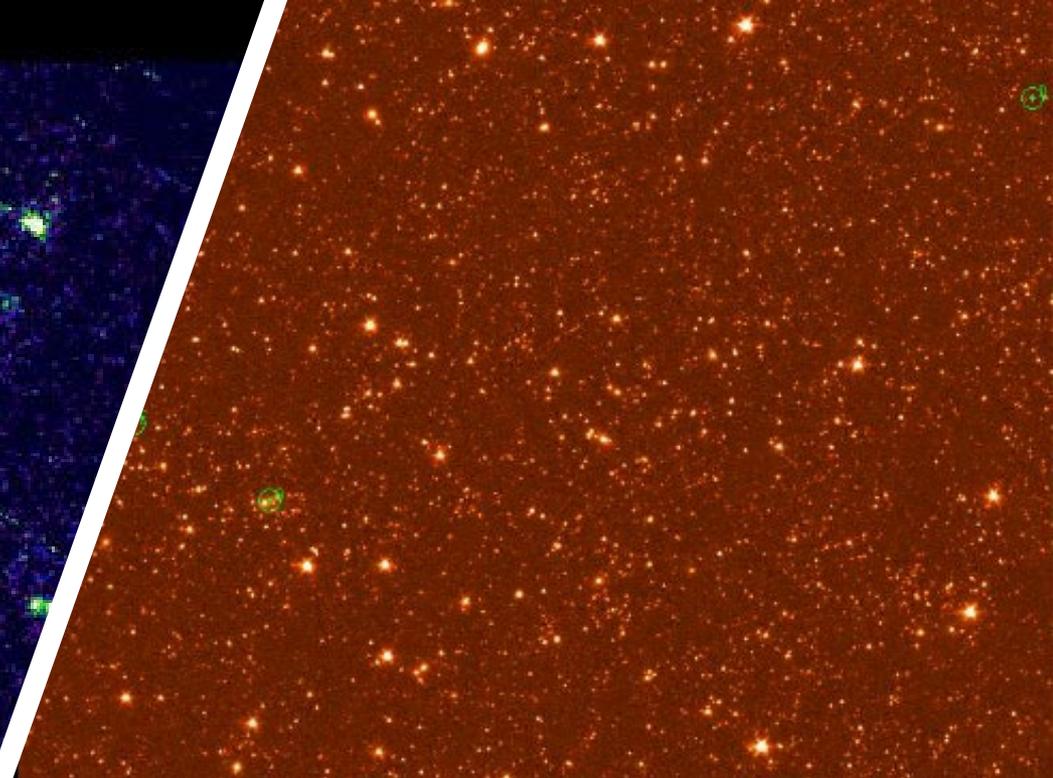
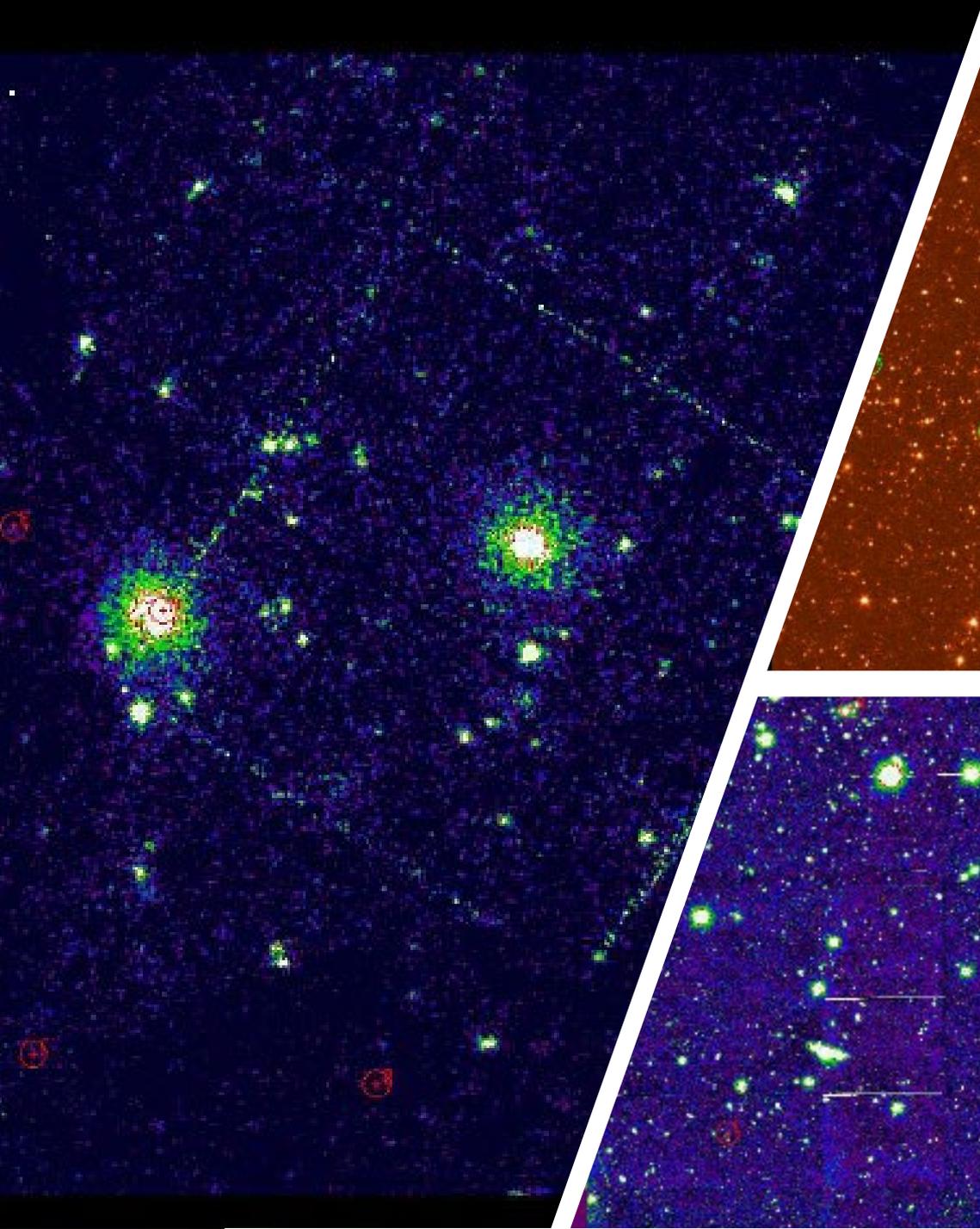


After lunch



A photograph showing two students, a woman and a man, sitting at a desk in a classroom. The woman is on the left, wearing a white t-shirt, with her hair in a bun. The man is on the right, wearing a grey t-shirt, looking at a computer monitor. The monitor displays a white document on a blue background. On the desk, there are papers, a pink patterned bag, and a pencil. The background shows a chalkboard and a white wall with a power outlet.

Divisi in gruppi



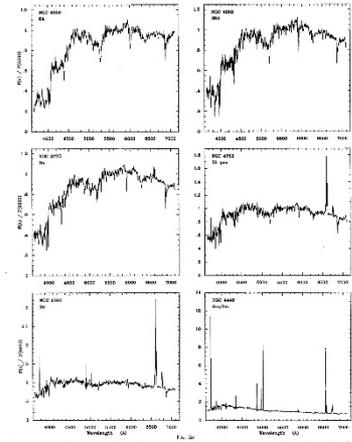
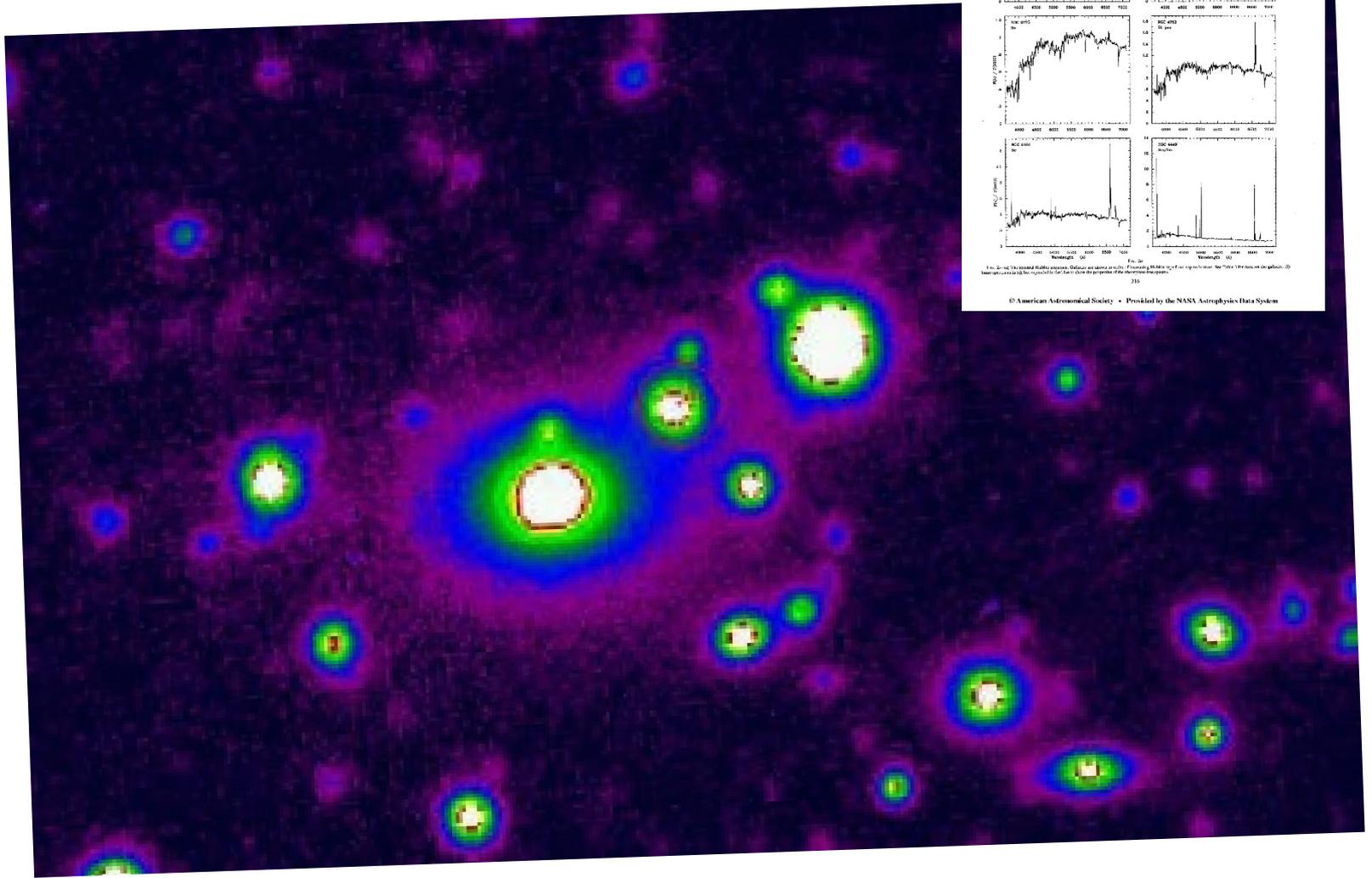


Fig. 20. Six panels showing the observed spectra (left column) and the corresponding model fits (right column) for six galaxies. The top row shows the observed spectra and the model fits for the galaxies. The bottom row shows the model fits for the galaxies. The top row shows the observed spectra and the model fits for the galaxies. The bottom row shows the model fits for the galaxies.

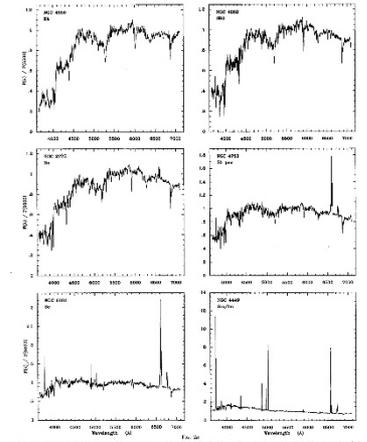
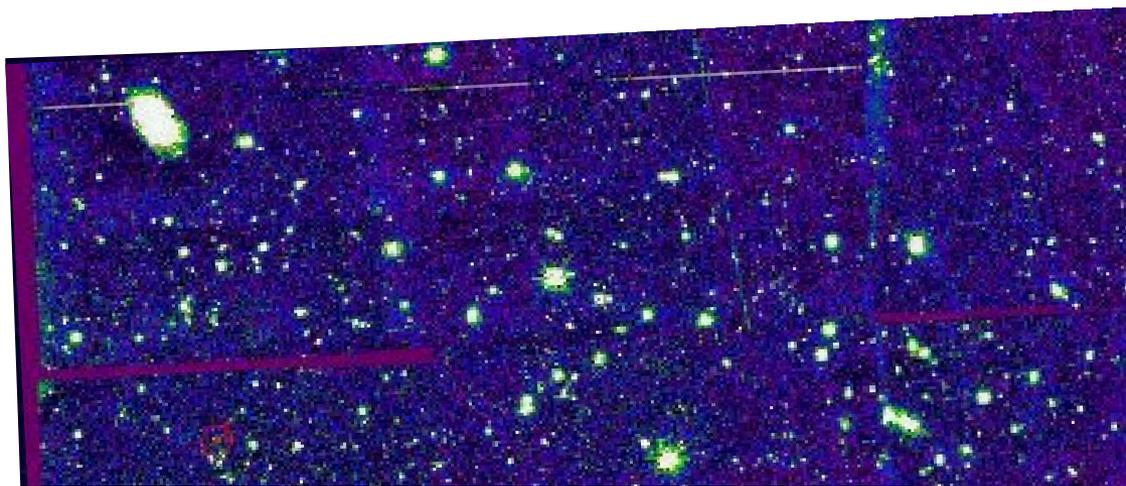
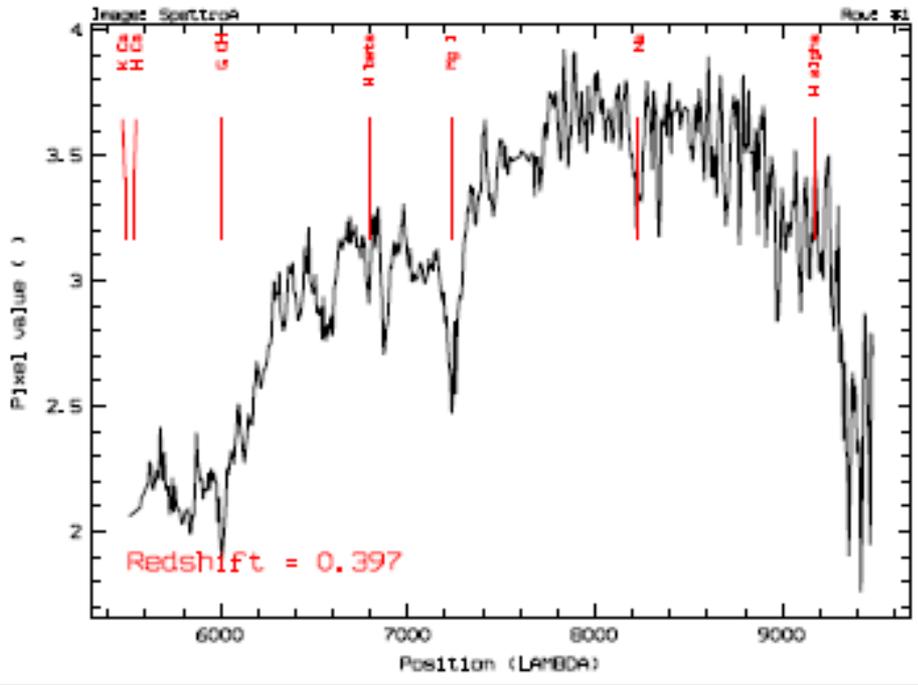
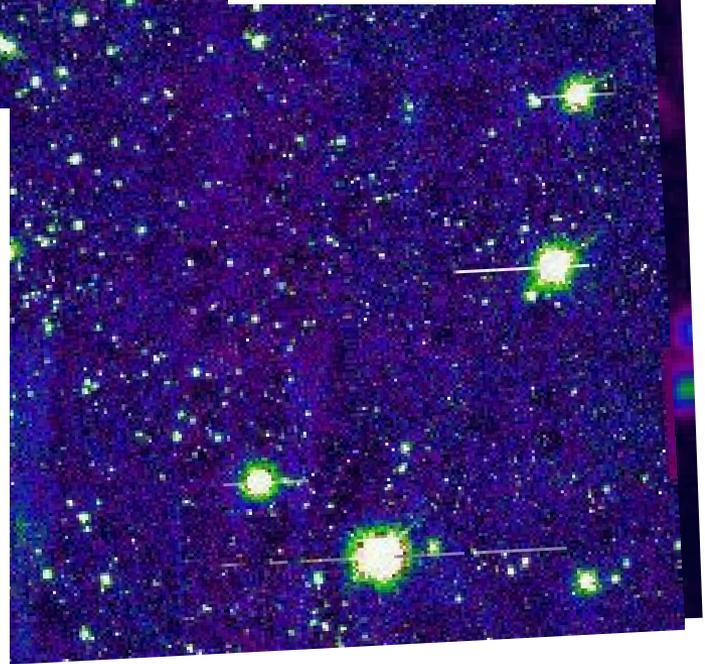
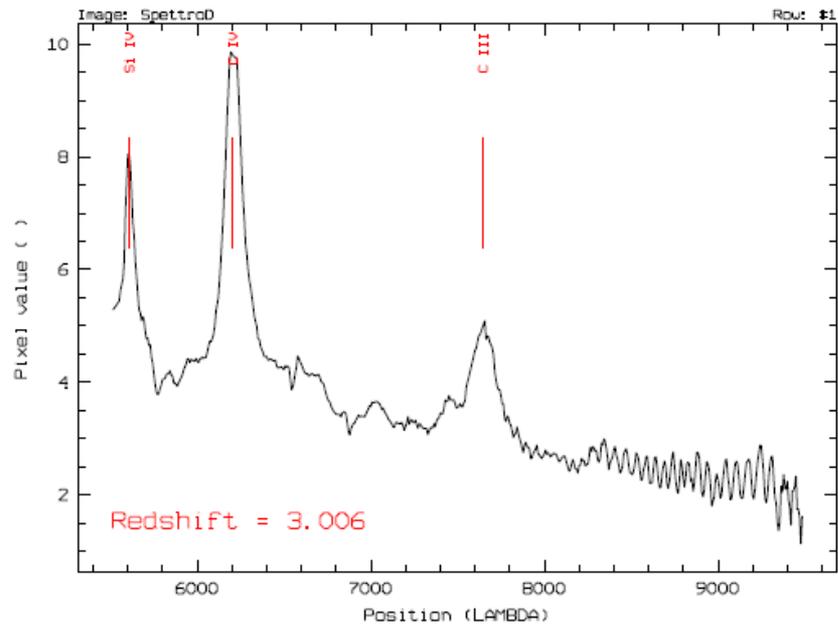
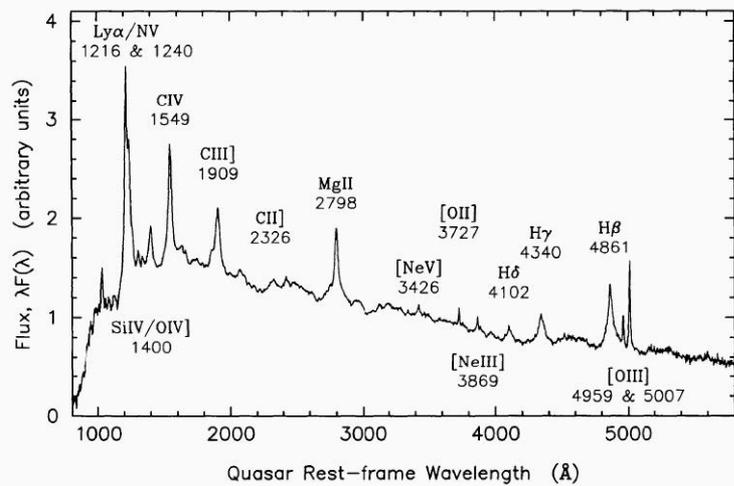
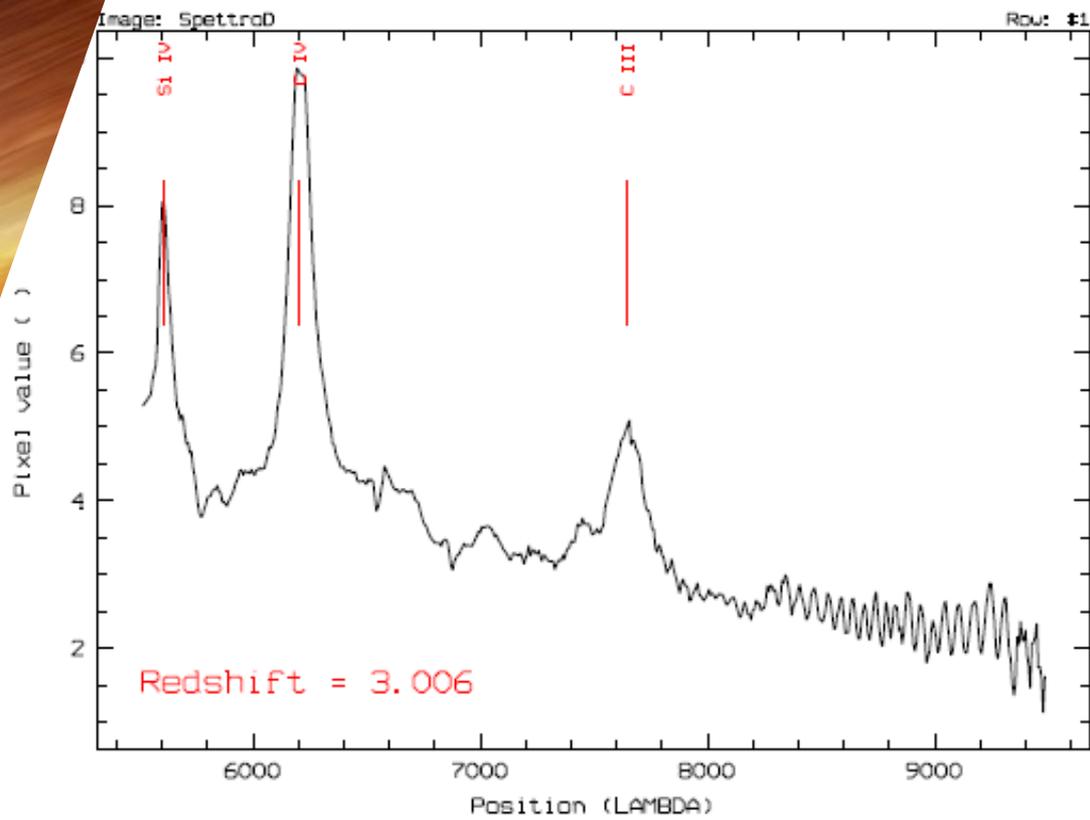
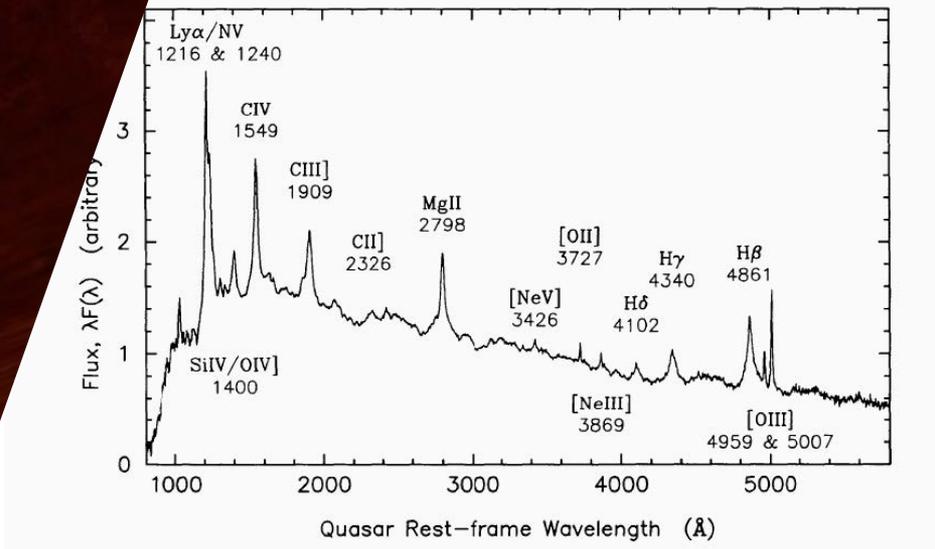
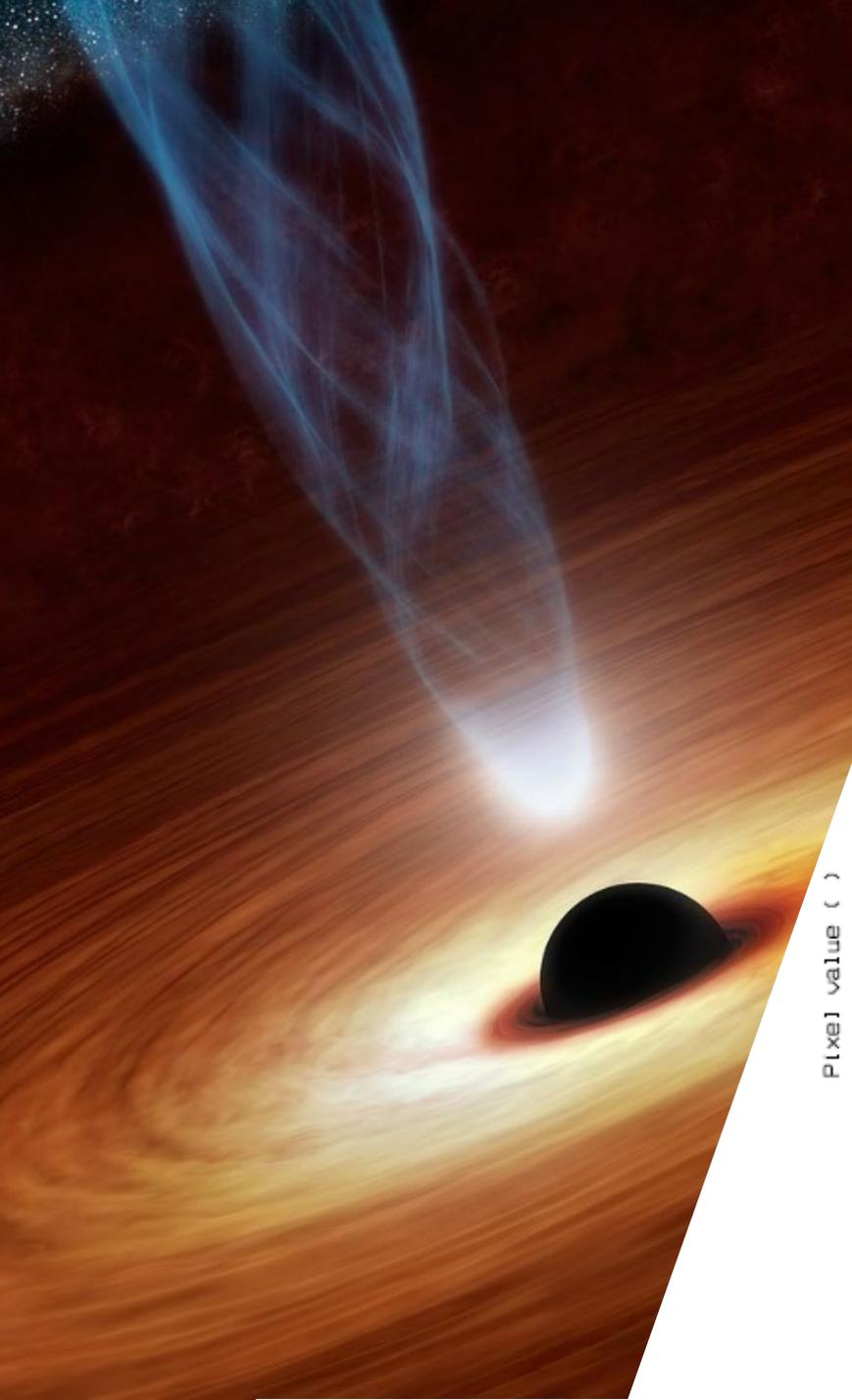


Fig. 30. The observed data (top row), the fit to the continuum (middle row), and the fit to the emission lines (bottom row). The x-axis is the wavelength in Angstroms. The y-axis is the flux in units of 10^{-17} W m⁻² nm⁻¹.

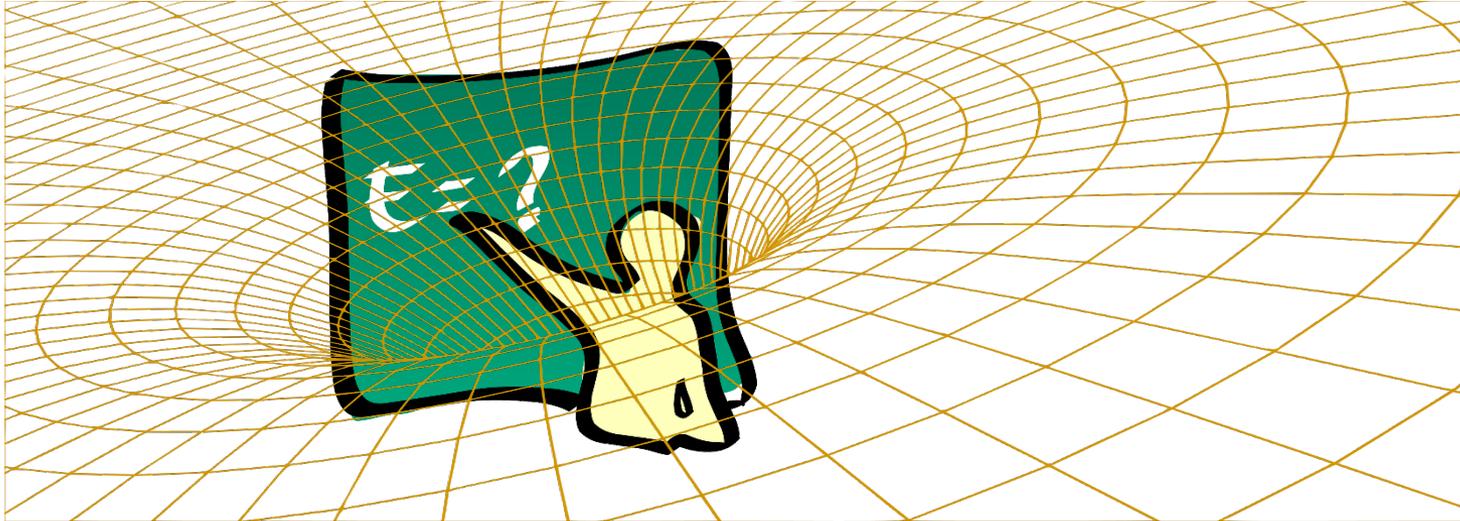
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