



International Science & Technology Week - 2024

Panjab University, Chandigarh



FROM HEAVENS TO EARTH, THE LITTLE NUCLEUS REIGNS SUPREME

The atomic nucleus packs a lot of energy and plays a very important role on Earth (nuclear power, deep space flights, weapons of mass destruction,...) as well as in the Heavens (formation and death of stars, constitution of elements,..). The stars get their energy from the nuclear fires raging in their cores. The same processes give rise to formation of all elements in the universe. This talk, takes us on a journey from the beginning of time to the formation of stars, and the role that nuclear physics plays in the generation of energy that fuels the stars and provides power from nuclear reactors on Earth.

DISTINGUISHED SPEAKER

PROF. UMESH GARG
FELLOW OF APS, AAAS
UNIVERSITY OF NOTRE DAME, USA



**AT DEPT. OF PHYSICS ON
22 NOVEMBER, 2024**

09:00AM (IST)

Hybrid Mode: Physics Department Auditorium

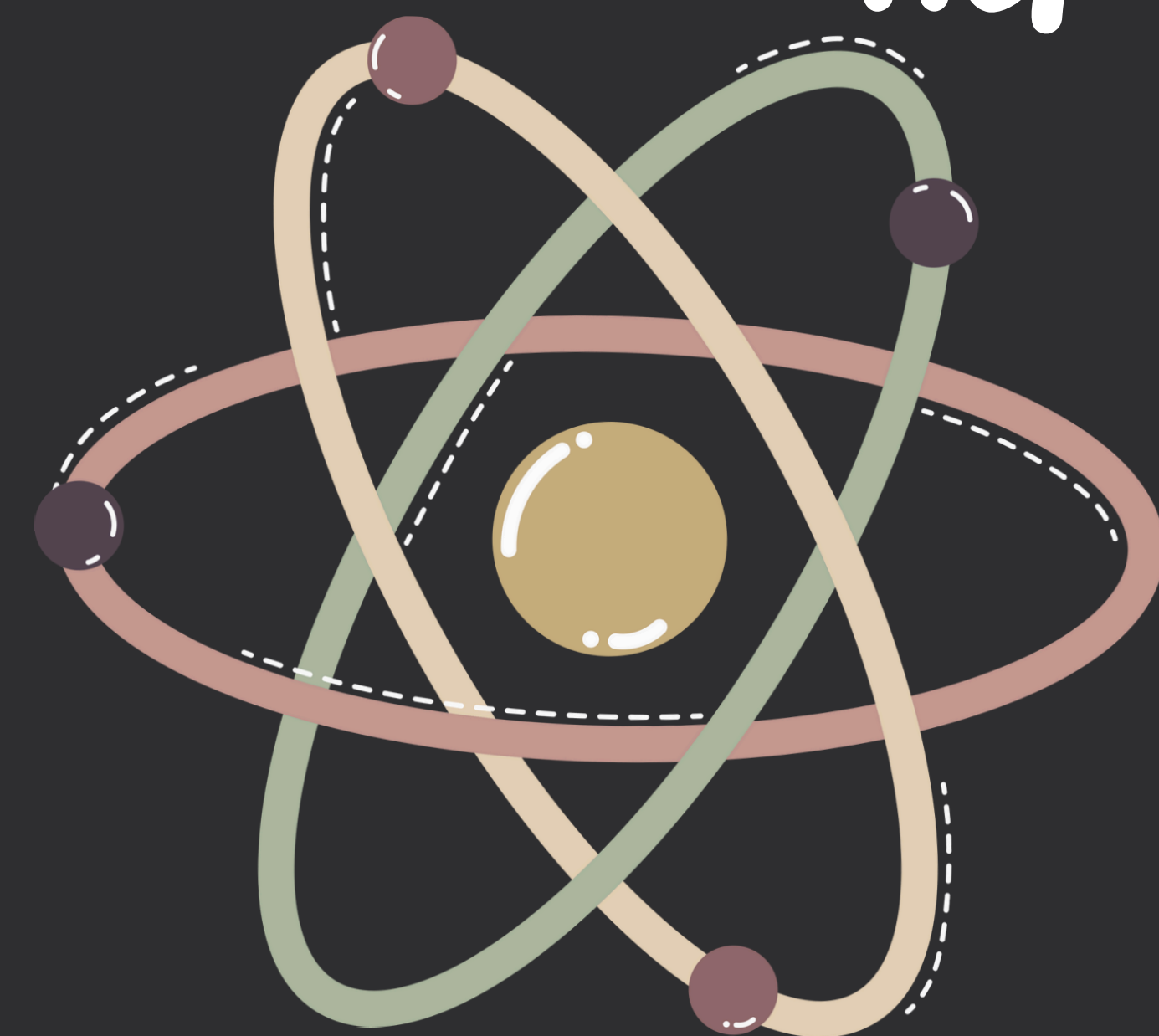
or

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$$E=mc^2$$



$$\Sigma F = M \cdot a$$



$$E_k = \frac{1}{2}mv^2$$