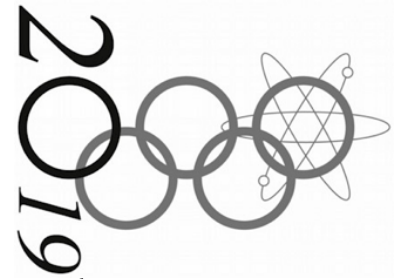


Team**Rank**

Fermi Questions

- | | | | |
|----|--|----------------------------------|------------------|
| 1 | How many people were in The Beatles? | <input type="text" value="1"/> | |
| 2 | How many neutrons are there in a typical neutron star? | <input type="text" value="57"/> | |
| 3 | What pressure is exerted by an astronaut's feet when standing on the moon? | <input type="text" value="3"/> | Pa |
| 4 | How long ago did men first walk on the moon? | <input type="text" value="9"/> | s |
| 5 | What is the gravitational force between two electrons on opposite sides of a helium atom? | <input type="text" value="-50"/> | N |
| 6 | What is the average vertical growth rate of an oak tree from germination to maturity? | <input type="text" value="-8"/> | m/s |
| 7 | How far away from your eye would you have to hold an LPO mug for its base to have the same apparent diameter as the moon? | <input type="text" value="1"/> | m |
| 8 | How many times would you have to fold a sheet of graphene to get a thickness sufficient to reach the moon? | <input type="text" value="2"/> | |
| 9 | How many known moons are orbiting planets in our solar system? | <input type="text" value="2"/> | |
| 10 | What is the combined electric charge of all the electrons in your team? | <input type="text" value="10"/> | C |
| 11 | What was the momentum of the Apollo spacecraft when cruising from the earth to the moon? | <input type="text" value="8"/> | kgm/s |
| 12 | How much energy would be released if an LPO mug-full of anti-water annihilates with normal water? | <input type="text" value="17"/> | J |
| 13 | If the kinetic energy of a raindrop falling to earth is converted into heat, by how much will the raindrop's temperature rise? | <input type="text" value="-2"/> | K |
| 14 | What acceleration is needed to keep the moon in orbit around the earth? | <input type="text" value="-3"/> | m/s ² |