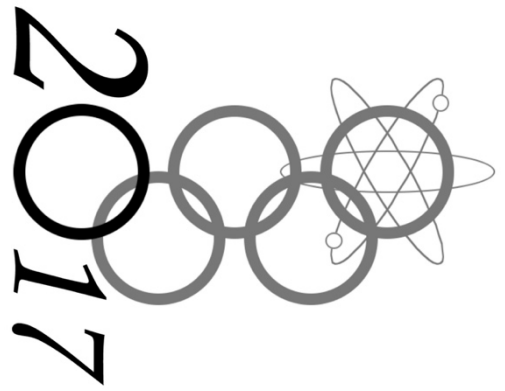


Team

Rank



Fermi Questions

1. How many people were in The Beatles?
2. What is the gravitational force between an adjacent neutron and proton in a nucleus? N
3. What is the energy of a photon of violet light? J
4. How much energy is required to raise the temperature of the water in a full Olympic-size swimming pool by 10 K? J
5. What is the average kinetic energy of an air molecule at room temperature? J
6. What is the area enclosed by the orbit of Saturn around the sun? m²
7. What is the momentum of a large raindrop just before landing? kgm/s
8. What is the wavelength of a proton accelerated to maximum energy by the LHC? m
9. What is the pressure at the bottom of the deepest part of the ocean? Pa
10. In the first event detected by LIGO, what was the combined mass of the black holes before their merger? kg
11. What is the average temperature gradient from the earth's core to its surface? K/m
12. What is the electric field strength at the surface of a proton? N/C
13. What is the resistance at room temperature of a cube of copper of side 1m? Ω
14. What is the combined capacity of all the LPO mugs given away since the first LPO? m³