



7th French Physicists'
Tournament



Société Française
de Physique

COMMISSION JEUNES

Captain's Fight backup

FPT 2020
February 7–8th

1. Question



2. Solution

You have 30 seconds to solve
the following question :



How many antineutrinos are emitted from a commercial nuclear power plant, per second and per Gigawatt of thermal power ?

1. Question



2. Solution

Data and sources

$$N = 2 \times 10^{20} = 10^{20.3} \text{ v/s/GW}$$

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